

Discovery Canyon Campus Course Guide

International Baccalaureate
World School

2026-2027



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Discovery Canyon Campus High School

Academy School District 20 Mission Statement

We educate and inspire students to thrive.

Administration: 719-234-2800

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- Mrs. Michael Carpenter, Assistant Principal: michael.carpenter@asd20.org
- Mr. David King, Assistant Principal: david.king@asd20.org
- Mr. Robert Bentley, Assistant Principal/Athletic Director: robert.bentley@asd20.org
- Ms. Kris Goodman, Dean of Students: kris.goodman@asd20.org

Counseling Office: 719-234-1831

- Mrs. Staci Wayant, D-Moo staci.wayant@asd20.org
- Mrs. Kelley Tutas, A-C, 504 kelley.tutas@asd20.org
- Ms. Haley Christman, Mor-Z haley.christman@asd20.org
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- Mrs. Laura Wirsig, TAG: laura.wirsig@asd20.org
- Ms. Lauren San Agustin, SAFE Counselor: lauren.sanagustin@asd20.org

Principal's Welcome Letter

Discovery Canyon Campus High School
Thunder Strong, We Belong!

Welcome to Discovery Canyon Campus High School – Home of the Thunder! We are proud that you have chosen to pursue your high school education on our campus.

DCCHS is unique in many ways. We are part of a Pre-K through 12th grade campus that educates almost 2400 students. We are one of the only public schools in North America that houses all four levels of the International Baccalaureate (Primary Years, Middle Years, Diploma Programme, and Career-Related) Programmes on the same campus.

But what really makes us unique is our community. Our students, parents, staff, and business partners value children and a quality education. All levels of our community are active in making Discovery Canyon Campus High School the best school in Colorado through their participation in academics, student activities, arts, and athletics. Our parent organizations support the school in amazing ways! Discovery Canyon Campus High School has a culture of involvement, and we want **you** to be a part of that culture.

This book is a guide for your path through your educational years at Discovery Canyon Campus High School. It contains information that you will need to choose your classes for next year, determine what classes are needed for graduation, and what academic path you want to follow based on your post-secondary plans.

All the choices you must make can seem daunting. There are many people here to help you make those choices. Your counselor and teachers have years of experience and expertise to share with you. Take advantage of their wisdom!

Enjoy your year – become involved and be a part of this school. It will make your high school years more enjoyable, allowing you to make new friends, and help you be more successful!

Best wishes to you for the coming school year.

Mr. Matt Mitchell,
Principal

Course Curriculum Guide

This course curriculum guide has been developed to assist you in planning for a successful high school experience. The guide contains the requirements that you must meet to graduate from Discovery Canyon Campus High School (DCCHS). It also contains brief descriptions of all the courses offered and information regarding student expectations at DCCHS.

Study the graduation requirements and course descriptions carefully with your parents before planning your courses. Your counselor and teachers will assist you with your decisions. Your choice of courses should be based upon graduation requirements, post-high school plans, teacher recommendation, interests and abilities, and your past achievements.

It is important to note that some of the courses listed in this guide may not be offered due to insufficient student registration or staffing limitations.

New Students to the District Should:

1. complete the [district registration process](#)
2. call DCCHS at 719-234-1831 to schedule an appointment with a counselor

Students are required to bring a withdrawal form with grades and a current transcript from their previous school to help ensure correct placement.

Academy School District 20 Graduation Requirements

Graduation requirements for Academy School District 20 students include:

- meet coursework requirements listed in the tables below
- demonstrate proficiency in both math and English language arts (ELA).

Coursework Requirements:

How many units of credit do I need to meet:	Academy District 20 Graduation Requirements	Colorado Higher Education Admissions Requirements ^s
English	4 years (8 D20 credits)	4 years (8 D20 credits)
Science ^s	3 years (6 D20 credits) 2 years (4 D20 credits) must be lab-based	3 years (6 D20 credits) 2 years (4 D20 credits) must be lab-based
Health	1 D20 credit	0

^s Four of the six credits must be from laboratory science classes. Specific requirements may be waived with the approval of the principal-led committee. Appeals will be directed to the Deputy Superintendent.

How many units of credit do I need to meet:	Academy District #20 Graduation Requirements	Colorado Higher Education Admissions Requirements
Mathematics ^m	3 years (6 D20 credits) Must complete Algebra I and Geometry (either in middle school or high school). Six math credits must be earned in high school.	4 years (8 D20 credits) Must include Algebra 1, Geometry, Algebra 2, or equivalents
Social Science ^{ss}	3 years (6 D20 credits) 1 D20 credit Civics 2 D20 credits U.S. History 3 D20 credits unrestricted	3 years (6 D20 credits) At least 1 year (2 D20 credits) must be in U.S. or world history.
World Language	1 year (2 D20 credits)	2 years (4 D20 credits)
Core Electives	6 D20 credits Core electives include English, foreign language, mathematics, science, and social science.	2 years (4 D20 credits) Academic electives include additional courses in English, mathematics, natural/physical sciences and social sciences, foreign languages, art, music, journalism, drama, computer science, honors, Advanced Placement, and International Baccalaureate courses.
Core Total	35 D20 credits	17 units (34 D20 credits)
Physical Education	3 D20 credits	
Arts ^a	1 D20 credit	
Unrestricted Electives	11 D20 credits	
Total	50 D20 credits	17 units (34 D20 credits)

- ^m all students must complete Algebra 1 and Geometry, either in middle school or in high school
- ^{ss} Social Science requirements include two required credits of U.S. History, one credit of Civics, and a course that covers topics of Genocide & the Holocaust
- ^a Arts requirements include visual and performing arts

Colorado Math and English Language Arts Demonstration of Proficiency:

The [Colorado Department of Education](#) offers a detailed printable copy of Colorado's high school graduation requirements.

Menu of Options	English	Math
Classic ACCUPLACER	62 on Reading Comprehension or 70 on Sentence Skills	61 on Elementary Algebra
Next Generation ACCUPLACER	241 on Reading or 236 on Writing	255 on Arithmetic (AR) or 230 on Quantitative Reasoning, Algebra, and Statistics (QAS)
ACT	18 on ACT English	19 on ACT Math
ACT WorkKeys National Career Readiness Certificate	Bronze or higher	Bronze or higher
Advanced Placement (AP)	2	2
ASVAB	31 on the AFQT	31 on the AFQT
Concurrent Enrollment ^{ce}	Passing grade per district and higher education policy	Passing grade per district and higher education policy
District Capstone	Individualized	Individualized
Industry Certificate	Individualized	Individualized
International Baccalaureate (IB)	4	4
SAT Scores update for new SAT (2016)	470	480

- ^{ce} concurrent enrollment classes must meet Math or English Language Arts guidelines

Higher Education Admission Recommendations (HEAR) Guidelines

Enacted in 2005, HB 05-1057 requires school districts to provide parents with a list of courses the district has available that satisfy the CCHE's Higher Education Admission Guidelines. For a full list of HEAR courses, search "ASD20 Higher Education Admissions Recommendations" on the D20 website.

College Admissions Recommendations

We encourage DCC students to plan for post-high school education. Listed below are the Colorado Department of Higher Education's Higher Education Admissions Recommendations (HEAR) for attending a 4-year institution in Colorado:

English	4 years
Mathematics Must include Algebra 1, Geometry, Algebra 2, or equivalent courses	4 years
Natural/Physical Sciences Two units must be lab- based or equivalent	3 years
Social Sciences At least one unit in US or World History	3 years
World/Foreign Language	1 year
Academic Electives Acceptable academic electives include additional courses in English, mathematics, natural/physical sciences and social sciences, foreign languages, art, music, journalism, drama, computer science, honors, Advanced Placement, International Baccalaureate courses, and appropriate CTE courses.	2 years

Other Great Options for Students after High School

2-year College

Community college is an excellent way to start exploring your college career at a lower cost. Students can apply for the Bridge to Bachelor's program where students earn guaranteed admittance to a 4-year Colorado state university after completing their Associates of Applied Science at the community college level. Learn more through the [Colorado Community College System](#).

Apprenticeship

A four-year program offering journeyman certificates and associate degrees. Apprentices receive paid on-the-job training and enroll in technical courses at community colleges. One example is the [Colorado Contractors Association](#).

Military Service

Some students graduate and immediately enlist in the military to serve our country. Visit www.military.com or see your local recruiter for more.

Athletics and Activities Eligibility

General Eligibility Requirements

All student-athletes must meet the General Eligibility Requirements set forth by the Colorado High School Activities Association and Discovery Canyon during each semester of participation in athletics. Each student-athlete must take a **minimum** of 2.5 Carnegie units (the equivalent of five full credit classes) during the current semester of participation as well as the previous semester of competition. During those semesters, the student-athlete may not fail more than **one** class to be eligible to participate. Any discrepancy in this area will deem the student-athlete ineligible to participate. That athlete must see the athletic director to understand how they can regain eligibility status. Once students have entered high school, they have eight consecutive semesters to complete their athletic eligibility.

NCAA Eligibility

NCAA Eligibility information may be updated without notice. Please refer to the [Initial-Eligibility Flyer](#) from NCAA Publications for the most up-to-date information.

Students who are interested in competing in college athletics at the Division I or II level **must** create a NCAA account before the end of their sophomore year. This form is to be completed online at www.eligibilitycenter.org. There are two copies that the counseling office should also receive: one to be sent with an official transcript at the time of the completion of paperwork with NCAA, and the second to be sent with an official transcript after graduation.

Initial-Eligibility Standards

If you want to compete in NCAA sports, you need to register with the NCAA Eligibility Center at eligibilitycenter.org. Plan to register before your freshman year of high school. For more information on registration, visit on.ncaa.com/regchecklist.

Academic Requirements

Division I and II schools require you to meet academic standards. To be eligible to practice, compete, and receive an athletics scholarship in your first year of full-time enrollment, you must meet the following requirements.

Division I

1. earn 16 NCAA-approved core-course credits in the following areas:
 - a. English – four credits
 - b. math – three credits
 - c. science – two credits
 - d. extra – one credit
 - i. English/native language, math, or science
 - e. social science – two credits
 - f. other – four credits
 - i. any area listed above, or courses listed in additional discipline: world language, comparative religion, or philosophy
2. complete 16 NCAA-approved core-course credits in eight academic semesters or four consecutive academic years from the start of ninth grade
3. complete 10 of 16 NCAA-approved core-course credits, including seven in English,

- math, or science, before the start of your seventh semester
- a. once you begin your seventh semester, any course needed to meet the 10/7 requirement cannot be replaced or repeated
4. earn a minimum 2.3 [core-course GPA](#)
 5. ask your high school counselor to upload your [final official transcript](#) with proof of graduation to your Eligibility Center account

Division II

1. earn 16 NCAA-approved core-course credits in the following areas:
 - a. English – three credits
 - b. math – two credits
 - c. science – two credits
 - d. extra – three credits
 - i. English/native language, math, or science
 - e. social science – two credits
 - f. other – four credits
 - i. any area listed above, or courses listed in additional discipline: world language, comparative religion, or philosophy
2. earn a minimum 2.2 [core-course GPA](#)
3. ask your high school counselor to upload your [final official transcript](#) with proof of graduation to your Eligibility Center account

Division III

While Division III schools set their own admissions and academic requirements, international student-athletes, first-year enrollees and transfers, who are enrolling at a Division III school after Aug. 1, 2023, must be certified as an amateur by the Eligibility Center. Contact the Division III school you plan to attend for more information about its academic requirements.

High School Timeline

Freshmen

- register for a free Profile Page account at eligibilitycenter.org for information on NCAA initial-eligibility requirements
- use NCAA Research's [interactive map](#) to help locate NCAA schools you're interested in attending
- find your high school's list of [NCAA-approved core courses](#) at

Sophomores

- [transition](#) your Profile Page to the required [certification account](#)
- monitor the [task list](#) in your NCAA Eligibility Center account
- ask your high school counselor from each school you attend to upload an official transcript to your Eligibility Center account
 - if you fall behind academically, ask your high school counselor for help finding [approved courses](#) you can take

Juniors

- ensure your [sports participation](#) information is correct in your Eligibility Center account

- check with your counselor to make sure you're on track to complete the required number of NCAA-approved [core courses](#)
- share your [NCAA ID](#) with NCAA schools recruiting you so each school can place you on its [institutional request list](#)
- ask your high school counselor from each school you attend to upload an official transcript to your Eligibility Center account

Seniors

- [request your final amateurism certification](#) beginning April 1 (fall enrollees) or Oct. 1 (winter/spring enrollees) in your Eligibility Center account at eligibilitycenter.org
- apply and be accepted to the NCAA school you plan to attend
- complete your final NCAA-approved [core courses](#)
- ask your high school counselor to upload your final [official transcript](#) with proof of graduation to your Eligibility Center account

International Baccalaureate (IB)

Discovery Canyon Campus High School is an International Baccalaureate World School. All students in grades 6-10 access the International Baccalaureate Middle Years Programme (MYP). In the 11th and 12th grade, students may pursue the IB Diploma Programme, the IB Career-related Programme, be an IB Scholar, or access the IB experience through general coursework. We believe that **all** students should access the most rigorous coursework available to them.

The International Baccalaureate experience is different from other curricula because it:

- encourages students of all ages to think critically and challenge assumptions
- encourages students of all ages to consider both local and global contexts
- develops multilingual students

The International Baccalaureate aspires to help schools develop well-rounded students with character who respond to challenges with optimism and an open mind, are confident in their own identities, make ethical decisions, join with others in celebrating our common humanity and are prepared to apply what they learn in real-world, complex, and unpredictable situations.

Students who access the IB will:

- be encouraged to think independently and drive their own learning
- take part in programmes of education that can lead to the highest-ranking universities around the world
- become more culturally aware, through the development of second language proficiency
- be able to engage with people in an increasingly globalized, rapidly changing world
- ask challenging questions
- think critically
- develop research skills proven to help them in higher education

Mission Statement

The International Baccalaureate aims to develop inquiring, knowledgeable, and caring young people who help to create a better and more peaceful world through intercultural understanding and respect.

To this end, the organization collaborates with schools, governments, and international organizations to develop challenging programmes of international education and rigorous assessment.

These programmes encourage students across the world to become active, compassionate, and lifelong learners who understand that other people, with their differences, can also be right.

IB Middle Years Programme (MYP): Grades 6-10

The MYP is a challenging framework that encourages students to make practical connections between their studies and the real world. The MYP curriculum framework comprises eight subject groups, providing a broad and balanced education for early adolescents.

The MYP requires at least 50 hours of teaching time for each subject group, in each year of the programme. In the final two years of the programme, carefully defined subject group flexibility allows students to meet local requirements and personal learning goals. The MYP experience culminates with the completion of the Personal Project.

Research shows that students participating in the MYP:

- build confidence in managing their own learning
- learn by doing, connecting the classroom to the larger world
- outperform non-IB students in critical academic skills
- consistently have greater success in upper level IB examinations
- thrive in positive school cultures where they are engaged and motivated to excel
- develop an understanding of global challenges and a commitment to function as responsible citizens

Personal Project

The Personal Project is a student-centered and age-appropriate practical exploration that serves as the culminating experience of the MYP. This is a long-term project designed as an independent learning experience of approximately 25 hours.

The personal project assesses students' Approaches to Learning skills for self-management, research, communication, critical and creative thinking, and collaboration. It encourages students to practice and strengthen their Approaches to Learning skills, to connect classroom learning engagements with personal experience, and to develop their own interests for lifelong learning.

The project offers opportunities for differentiation of learning and expression according to students' individual needs. The personal nature of the project is important; the project should revolve around a challenge that motivates and interests the individual student.

Because **all** students at DCC are in the MYP, completion of the Personal Project is required. At school, students are supported through ThunderTime and by the MYP coordinator; however, some of the student's project will need to be completed at home. Successful completion of the project results in half of an elective credit.

Students who do not complete the project will receive an Incomplete on their project.

For more information on the MYP and the Personal Project, please contact: Emily Heinrich, MYP Coordinator emily.heinrich@asd20.org.

Diploma Programme (DP): Grades 11-12

Through the Diploma Programme, Discovery Canyon develops students who:

- have excellent breadth and depth of knowledge
- flourish academically, emotionally, and physically
- study at least two languages
- excel in traditional academic subjects
- demonstrate high levels of resilience and flexibility
- are internationally minded and globally aware
- explore the nature of knowledge through the programme's unique [Theory of Knowledge](#) course

Diploma Programme students take at least six IB courses: one from each subject group listed below, or they may also take two courses from Individuals & Societies or Science instead of the arts courses. They must also complete the DP core: made up of the three required components, the DP core aims to broaden students' educational experience and challenge them to apply their knowledge and skills.

The six subject groups are:

- [Studies in language and literature](#)
- [Language B](#)
- [Individuals and societies](#)
- [Sciences](#)
- [Mathematics](#)
- [The arts](#)

DCC offers multiple courses within each subject group. DP students will take three or four higher level (HL) courses, and two or three standard level (SL) courses, for a total of six IB courses over the two-year program. Standard level courses typically last one year. Higher level courses extend over both the junior and senior year. HL and SL courses differ in scope but are measured according to the same grade descriptors, with students expected to demonstrate a greater body of knowledge, understanding, and skills at a higher level. DP students must register for and complete all elements of the IB assessments for each IB class to successfully earn their IB diploma.

In addition to the six IB courses, DP students also complete the three elements of the DP core:

- [Theory of knowledge](#)
 - students reflect on the nature of knowledge and on how we know what we claim to know
- [The extended essay](#)
 - students conduct an independent, self-directed piece of research and analysis, finishing with a 4,000-word paper
- [Creativity, activity, service](#)
 - students engage in CAS over 18 months, which encourages balance, creativity, and generosity

Students attending a Colorado public university are awarded a minimum of 24 credit hours for earning an IB diploma.

All DP students are required to take the end of course **IB exams**. Taking an IB year end examination is a strong predictor of success in post-secondary education. Financial support is available for those who qualify. For information on college credit in Colorado and the Diploma Program see [Colorado Department of Education IB](#). For information on University Admission and recognition worldwide, see the [IB University Admissions](#).

IB Diploma Programme Example Schedules

	9th	10th	11th	12th
Math	MYP Algebra 1	MYP Geometry	Algebra 2	IB Math Applications and Interpretation SL*
Lang & Lit	MYP Freshman Lang & Lit	MYP Sophomore Lang & Lit	IB Lang & Lit HL I	IB Lang & Lit HL II*
Individuals and Societies	MYP Civics/ MYP Econ	MYP US History	IB 20th Century World History HL I	IB History of the Americas HL II*
Science	MYP Biology	MYP Chemistry	HL Biology I	HL Biology II*
World Language	MYP French II	MYP French III	IB French IV SL	IB French V SL*
Elective	Elective/Pathway Course	Elective/Pathway Course	Global Politics SL*	Elective/Pathway Course
Elective	Elective/Pathway Course	Elective/Pathway Course	Elective/Pathway Course	Elective/Pathway Course
Elective	Study Hall	Attendance Waiver	Elective/Pathway Course	Attendance Waiver

Your exact schedule will vary based on the courses you choose and if those courses are one or two years in length.

*Denotes exam taken at the end of the school year

If you have questions or would like to register for the Diploma Programme, please contact Melissa Knight at (719) 234-2897 or melissa.knight@asd20.org. You can also find more information on the [DCC IB web page](#). All IB courses are weighted, and IB course descriptions are listed under the appropriate subject.

Career-Related Programme (CP): Grades 11-12

The CP is a framework of international education that incorporates the values of the IB into a unique programme addressing the needs of students engaged in career-related education. The CP was specifically developed for students who wish to engage in career-related learning while gaining transferable and lifelong skills in applied knowledge, critical thinking, communication, and cross-cultural engagement. The programme leads students to success beyond high school, whether they choose higher education, apprenticeships, or employment.

The CP Curriculum consists of:

- at least two IB courses offered at DCCHS
- [the CP core](#)
- career-related studies
 - Biomedical Sciences (minimum three courses)
 - Business/Marketing (minimum two courses)
 - Engineering (minimum three courses)
 - Leadership/JROTC (minimum three courses)
 - Teacher Cadet (both courses)

The CP core components give context to the IB courses and the career-related study, drawing all aspects of the framework together. Through the CP core, students develop personal qualities and professional skills, as well as intellectual habits required for lifelong learning. Students must meet the minimum requirements of the career-related study (listed above) and be enrolled in the pathway both their junior and senior year.

The CP enables students to:

- combine academic subjects with their professional interests and skills
- think critically and creatively
- communicate clearly and effectively in a variety of situations
- work independently and in collaboration with others
- consider new perspectives and other points of view
- develop greater self-confidence and self-awareness
- demonstrate high levels of resilience and flexibility
- be internationally minded and globally aware
- apply their knowledge to real-world scenarios and situations

CP students must register for and complete all elements of the IB assessments for at least two IB classes to successfully earn their IB CP certificate. Taking an IB year end examination is a strong predictor of success in post-secondary education. Financial support is available for those who qualify. For information on college credit in Colorado and the Diploma Program see [Colorado Department of Education IB](#). For information on University Admission and recognition worldwide, see the [IB University Admissions](#).

IB Career-Related Programme Example Schedules

	9th	10th	11th	12th
Math	MYP Algebra 2	IB Math Analysis HL I	IB Math Analysis HL II*	AP Calculus AB/BC
Lang & Lit	MYP Freshman Lang & Lit	MYP Sophomore Lang & Lit	IB Lang & Lit HL I	IB Lang & Lit HL II*
Individuals and Societies	MYP Civics or MYP Econ	MYP US History	IB Global Politics HL I	IB Global Politics HL II*
Science	MYP Biology	MYP Chemistry	Physics	IB Environmental Systems & Societies SL*
World Language or Elective	MYP Mandarin I	MYP Mandarin II	MYP Mandarin III	Attendance Waiver
Elective	Elective/ Pathway Course	Elective/ Pathway Course	Elective/ Pathway Course	Elective/ Pathway Course
Elective	Elective/ Pathway Course	Elective/ Pathway Course	Attendance Waiver	Attendance Waiver
Elective	Elective/ Pathway Course	Elective/ Pathway Course	Elective/ Pathway Course	Elective/ Pathway Course

Your exact schedule will vary based on the courses you choose and if those courses are one or two years in length.

*Denotes exam taken at the end of the school year

If you have questions or would like to register for the Career-Related Programme, please contact Melissa Knight at (719) 234-2897 or melissa.knight@asd20.org. You can also find more information on the [DCC IB web page](#). All IB courses are weighted, and IB course descriptions are listed under the appropriate subject.

IB Scholars: Grades 11-12

At Discovery Canyon Campus, we believe that **all** students should have access to the most rigorous coursework available to them. Additionally, accessing the International Baccalaureate core philosophy develops students who:

- engage in learning that makes a positive difference to their community
- think critically and creatively
- communicate clearly and effectively in a variety of situations
- work independently and in collaboration with others
- consider new perspectives and other points of view
- develop greater self-confidence and self-awareness
- demonstrate high levels of resilience and flexibility
- are internationally minded and globally aware

IB Scholars are recognized by Discovery Canyon Campus and complete two IB upper-level courses at either the Higher Level or Standard Level (HL or SL).

Students who score well on individual course exams are awarded advanced standing and/or college credit at colleges and universities around the world. Taking an IB year end examination is a strong predictor of success in post-secondary education. Financial support is available for those who qualify. For information on college credit in Colorado and the Diploma Program see [Colorado Department of Education IB](#). For information on University Admission and recognition worldwide, see the [IB University Admissions](#).

If you have questions or would like to register for an IB course, please contact your Alpha Counselor or Melissa Knight at (719) 234-2897 or melissa.knight@asd20.org. You can also find more information on the [DCC IB web page](#). All IB courses are weighted, and IB course descriptions are listed under the appropriate subject.

IB Scholar Example Schedule

	9th	10th	11th	12th
Math	MYP Algebra 1	MYP Geometry	Algebra 2	IB Math Applications and Interpretation SL*
Lang & Lit	MYP Freshman Lang & Lit	MYP Sophomore Lang & Lit	IB Lang & Lit HL I	IB Lang & Lit HL II*
Individuals and Societies	MYP Civics/ MYP Econ	MYP US History	IB Psychology SL*	IB Global Politics SL*
Science	MYP Biology	MYP Chemistry	Physics	IB Sports Exercise Health Science SL*
World Language or Elective	MYP French II	MYP French III	IB French IV*	Attendance Waiver
Elective	Elective/ Pathway Course	Elective/ Pathway Course	Elective/ Pathway Course	Attendance Waiver
Elective	Elective/ Pathway Course	Elective/ Pathway Course	Elective/ Pathway Course	Elective/ Pathway Course
Elective	Study Hall	Attendance Waiver	Attendance Waiver	Elective/ Pathway Course

Your exact schedule will vary based on the courses you choose and if those courses are one or two years in length.

*Denotes exam taken at the end of the school year

Honors and Advanced Placement (AP)

Honors Courses

We believe that the MYP courses offer a rigorous challenge for all students; however, we continue to offer Freshman and Sophomore Honors level courses in Mathematics and Language & Literature because the standardized testing results in these content areas lead to more accuracy in placement.

Honors courses meet the needs of students whose ability level requires **significant** acceleration of the MYP curriculum. Students who enroll in honors classes are expected to work at an elevated level of competence and to responsibly accept the academically rigorous challenges set forth. Honors courses exceed the minimum state standards for core content areas.

All classes which have received district approval for weighted grade status are labeled Honors and are indicated as weighted credit with ^{honors} in the Course Guide.

All students considering honors level courses should carefully consider their level of preparation and commitment to the content area. Likewise, students should discuss all options with parents and teachers. Students enrolled in honors courses are expected to routinely demonstrate high integrity, motivation, maturity, and intellectual curiosity.

The successful Honors level student must:

- possess the prerequisite skills, work ethic, and attitudes necessary for success at the honors level
- make a conscious decision to commit to the academic rigor required in an Honors course
- display past and current academic performance in the above average range
- meet proficiency levels detailed in the core placement letter

If the student chooses to enroll in an honors level class against the recommendation of the teacher or TAG Program Coordinator, the student and parent must complete the Core Placement Appeal Form, signed by the student and parent, to have the appeal reviewed by the TAG Program Coordinator and the appropriate academic department chair.

Advanced Placement Courses

Advanced Placement Courses are offered at Discovery Canyon where there is not a parody with an existing International Baccalaureate Course. The Advanced Placement (AP) program is a national program offered in cooperation with the College Board. At the conclusion of the AP course, students are expected to take a College Board National AP Exam administered on a national test date. Depending on scores, a student may receive college credit for AP classes.

Although earning credit is one benefit of taking an AP class, it is secondary to the primary purpose of offering a rigorous college-like experience and meaningful engagement with the content that will benefit students in their post-secondary academic endeavors.

Acceptance of AP scores for college credit is determined by each college or university. It is the student's responsibility to research policies at individual institutions regarding AP

credit.

AP courses meet the needs of students seeking in-depth acceleration of curricular content. Because AP courses offer a college-level curriculum, they are more demanding than standard high school honors courses. While AP courses have the academic rigor of a college program and reward achievement, they also provide opportunities to master a subject and to explore it in greater depth. Students who enroll in AP courses must be initiative-taking and willing to work responsibly to develop analytical reasoning skills and disciplined work habits.

AP courses exceed the minimum state standards for core content areas and have received District 20 approval to receive weighted credit.

The AP Exam

All students enrolled in an AP class pay the exam fee in the fall semester and take the National AP Exam. This exam fee is set by the College Board and is subject to annual increases. The AP exam fee is \$105.00. Financial assistance is available to families who meet specific economic hardship standards. The exam must be taken on the date published by the College Board.

AP Enrollment

All students considering AP level courses should carefully consider their level of preparation and commitment to the content area. Likewise, students should discuss all options with parents and teachers.

The successful AP student must:

- possess the prerequisite skills, work ethic, and attitudes necessary for success at the AP level
- make a conscious decision to commit to the college level academic rigor required in an AP course
- display past and current academic performance in the above average range

If there are any questions about these skills, the student's current teacher is the best source of information in helping to make this decision.

For more information, please visit the [College Board/AP](#).

Scheduling

The staff at DCCHS makes every effort to create a comprehensive master schedule designed to fit students' academic needs. Freshmen and Sophomores must carry seven full credit bearing classes plus a ThunderTime. Juniors and Seniors must carry at least six full credit bearing classes plus ThunderTime. These classes must be taken through ASD20 and not outside agencies or credit recovery. During the second semester, students receive assistance from counselors and classroom teachers in requesting classes for the following year. The master schedule is created based upon student requests, staffing limitations, and overall course offerings.

Developing student responsibility is a goal that helps guide educational decision-making. Students can request most of their classes and have developed a Plan of Study in their Individual Career/Academic Plan. Students are expected to consider this process, be responsible for the decisions they make during the registration process and consider their alternate requests carefully.

Teachers and counselors are available during the scheduling window in the spring to aid both students and their parents or guardians in selecting the most rigorous and appropriate coursework. Students and families will create course requests through the Academic Planner in Infinite Campus. More detailed information about this process will come via email. The Counseling Department does their best to honor course requests and fill classes, sections, and teachers based upon these requests.

Schedule Changes

If you do not have a full schedule or you have been misplaced in a class, please see your counselor immediately.

Schedules will **not** change unless the student meets one of the following:

- not enough classes (less than seven classes)
- failed prerequisite for a course
- educationally misplaced
- change Study Hall to Attendance Waiver or Teacher Assistant

After five days, the student and teacher have a discussion and fill out the "Schedule Change Request" form. Students must attend the classes that appear on their original schedule until the changes are complete in Infinite Campus. Changes are **not** guaranteed or final until your counselor approves them and officially changes your schedule in Infinite Campus.

Examples of **unacceptable** change requests include:

- requests for teacher change
- being in a class with friends
- changing the class to a different block
- elective changes

Withdrawing From a Course

A student may withdraw from a course during the first five school days of the semester

without penalty. After the 20th day, a student will receive a No Credit (NC) or a Withdrawal/Failure (WF). If a WF is given, a letter grade of “F” will be calculated in the cumulative grade point average.

Student Classification

DCCHS is a four-year high school. Graduation requirements are based on the year a student enters high school and assumes a four-year progression. Credits per course are as follows:

- semester course = one credit
- year-long course = two credits
- teacher assistants = 0.5 per semester

Students are classified as following:

- freshman: first year in high school
- sophomore: second year in high school
- junior: third year in high school
- senior: fourth year and 34+ credits in high school

To be eligible for participation in commencement ceremonies, students must complete all graduation requirements in the [Academy School District 20 Graduation Requirements](#) section.

Courses marked with ^{repeat} may be repeated for credit. Refer to the course descriptions and/or contact your counselor. If a student chooses to repeat a course, the grade earned will be averaged into the Cumulative Grade Point Average. Both grades will be displayed on the student’s transcript.

Student Transcripts

Students should recognize the importance of their school records for financial aid and admission to college. A student’s record is the accumulation of efforts from ninth grade through twelfth grade. Grade point averages are calculated using courses taken in ninth, tenth, eleventh, and twelfth grades. A student’s record includes grade point average, courses completed, and state mandated standardized test results. A request for an official transcript requires a minimum of five days for processing. Students must allow at least two weeks lead time for a counselor recommendation letter.

Statements of Discipline: Upon request, DCC reports to colleges all suspensions and expulsions. DCC High School students are asked to waive their right to see counselor and teacher recommendation letters.

Class Rank Policy

DCCHS does not rank students but maintains a GPA distribution chart. Decile rank is determined by deciles; that is, groups of 10 percent of the senior class. With a senior class of 300 students for example, the first decile includes the top 30 student GPAs. The second decile contains the next 10 percent, and so forth. Decile ranking will be provided upon request for university or scholarship purposes. Detailed ranking will be reported directly to

universities or scholarship organizations that request specific percentages.

Academic Honor Roll and Letters

Each student earns Principal's Honor Roll recognition through the academic year if they earn a weighted semester GPA of 3.5 to 3.74999. Students receive a certificate from the principal and acknowledgement at our Academic Awards Assembly.

Upon graduation, students are recognized for their academic achievements using set criteria. Using their cumulative weighted GPAs, students may receive the following honors:

- Summa Cum Laude GPA (Highest Honors) 4.50 and above
- Magna Cum Laude GPA 4.00-4.49
- Cum Laude GPA 3.75-3.99

Each student who achieves a weighted GPA of 3.75 or higher for the semester will also receive an Academic Letter. The purpose of the Academic Letter is to recognize students who have excelled academically while attending DCC in high school. The grade point average is determined by dividing the total points earned by the total number of credits.

Eligible DCC students:

- are enrolled in at least six courses of study per semester
 - three courses **must** be core academic classes
- earn a 3.75 grade point or higher for that semester

Academic Letters are awarded the first time a student earns a 3.75 grade point average. The student receives a DCC Chenille Letter and a torch of knowledge. Additional bars will be awarded to a student for every time they earn 3.75 or higher. If a student earns a 3.75 cumulative grade point average over all eight semesters in which they attend DCC, the student will receive a gold star.

Academic Hall of Fame

The DCC Academic Hall of Fame will honor seniors who have earned Academic Distinction while attending DCC High School.

The following criteria will be used to determine which students are eligible for consideration:

- students must meet the requirements for Most Demanding¹ curriculum at DCC
- students must have attended DCC for at least two years
- students must have earned a cumulative GPA of 4.3 or higher
- students must be in the top 10 for GPA through December of their senior year
- students must have an ACT or SAT score in the 90th percentile
- academically based awards, scholarships and other distinctions earned while at DCC may be considered

¹ Most Demanding curriculum consists of:

- **Five** year-long IB, AP, or concurrent pathway courses during junior or senior year
 - any Language Acquisition Level 3 taken will count as one of the five classes
- Concurrent enrollment classes will be considered (i.e., Calculus 2 or Differential Equations)
- Advanced courses completed freshman and sophomore year will be considered (i.e., AP Calc during freshman year)

Discovery Canyon Campus Course Offerings

2026-2027

Course Guide Symbols

^{repeat} denotes a course that may be repeated for credit

^{weighted} denotes a weighted course

^{NCAA} denotes an NCAA approved course

Business

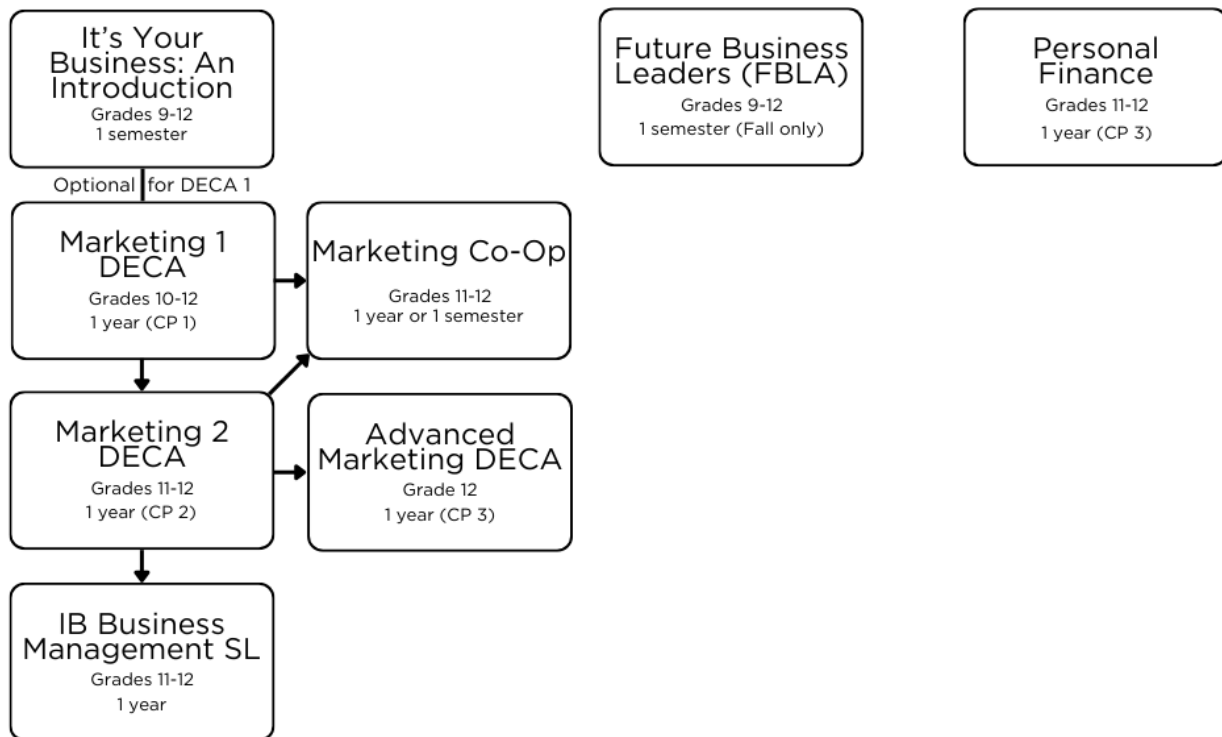
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Overview of Business/Marketing (Offered as a CP Pathway) and Finance

- It's Your Business: An Introduction to Marketing 1 DECA
- Marketing 1 DECA to Marketing Co-Op or Marketing 2 DECA
- Marketing 2 DECA to Marketing Co-Op or Advanced Marketing DECA or IB Business Management SL
- IB Business Management SL
- Future Business Leaders (FBLA)
- Personal Finance



Course Descriptions

It's Your Business: An Introduction

Course #030005

Grades 9-12

Prerequisite: None

Length of Course: one semester

Course fee and materials: None

This course introduces the student to the world of business, an area that affects each of us. Topics will include basic economics, credit, banking, marketing, insurance, consumerism, income tax, entrepreneurship, careers, and the stock market.

Marketing 1 DECA

Course #040000 A/B

Grades 10-12

Prerequisite: None

Length of Course: one year (year one of three-year pathway for Career-related Programme)

Course fee and materials: \$70.00 DECA Local/State/National Dues

Students are introduced to business and marketing by exploring such topics as promotion, selling, communication, leadership, human relations, and career opportunities including applications and interviews.

Marketing 2 DECA

Course #040005 A/B

Grades 11-12

Prerequisite: Marketing 1

Length of Course: one year (year two of three-year pathway for Career-related Programme)

Course fee and materials: \$70.00 DECA Local/State/National Dues

Students will increase knowledge and proficiency in the areas introduced in previous marketing courses.

Advanced Marketing DECA

Course #040010 A/B

Grades 12

Prerequisite: Marketing 2

Length of Course: one year (year three of three-year pathway for Career-related Programme)

Course fee and materials: \$70.00 DECA Local/State/National Dues

Students will continue to build upon knowledge and skills learned in previous marketing courses.

Marketing Co-Op (on the job training) ^{repeat}

Course #040055 A/B

Grades 11-12

Prerequisite: Must be concurrently enrolled in a marketing course/Teacher approval

Length of Course: one semester or one year

Course fee and materials: None

Students will learn job-related skills via on-the-job training in a marketing related occupation. This class is for employees of Canyon Cafe (Discovery Canyon's School Based Enterprise). The [Canyon Cafe Application](#) is located on the DCC High School website.

IB Business Management SL ^{weighted}

Course #034620 A/B

Grades 11-12

Prerequisite: None

Length of Course: one year

Course fee and materials: None.

Optional opt-in registration for DECA (\$70.00) and/or FBLA (\$55.00) IB Assessment fee: \$129.00

IB Business Management is a rigorous and dynamic discipline that examines business decision-making processes and how these decisions impact and are affected by internal and external environments. It is designed to develop an understanding of business theory, as well as an ability to apply business principles, practices and skills decision-making and the day-to-day business functions of marketing, production, human resource management and finance. The business and management course aims to help students understand the implications of business activity in a global market and it is designed to give students an international perspective of business and to promote their appreciation of cultural diversity. The core curriculum consists of five topics: 1) Business organization and environment; 2) Human resources; 3) Accounts and finance; 4) Marketing; and 5) Operations management. IB assessments (exams and written commentary) cover all five topics. IB Business Management is a Sixth Subject elective.

Future Business Leaders (FBLA) ^{repeat}

Course #034900

Grades 9-12

Prerequisite: None

Length of Course: one Semester (Fall only)

Course fee and materials: \$55.00

Students will enhance their knowledge of concepts relating to personal finance, business management, marketing, accounting, economics, ethics, and technology and presentation skills. Students will participate in Future Business Leaders of America (FBLA) activities.

Personal Finance

Course #153015

Grades 11-12

Prerequisite: None

Length of Course: one semester

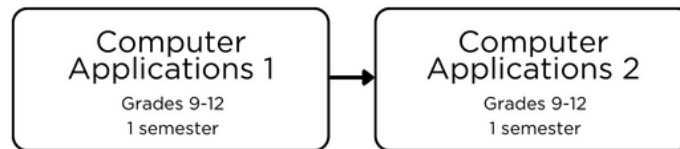
Course fee and materials: \$45.00

Surveys the basic personal finance needs of most individuals and introduces the personal finance tools useful in planning and instituting a successful personal financial philosophy. The course emphasizes the basics of budgeting, buying, saving, borrowing, career planning, investing, retirement planning, estate planning, insurance, and income taxes.

Computer Applications

Overview of Computer Applications

- Computer Applications 1 to Computer Applications 2



Course Descriptions

Computer Applications 1

Course #161000

Grades 9-12

Prerequisite: None

Length of Course: one semester

Course fee and materials: None

This course provides students with skills for professional communication and presentations using a range of devices and software applications. Students will learn and practice digital citizenship and information literacy.

Computer Applications 2

Course #161005

Grades 9-12

Prerequisite: Computer Applications 1

Length of Course: one semester

Course fee and materials: None

This course advances the student's knowledge of hardware, technology, and software introduced in Computer Apps 1.

Individuals and Societies

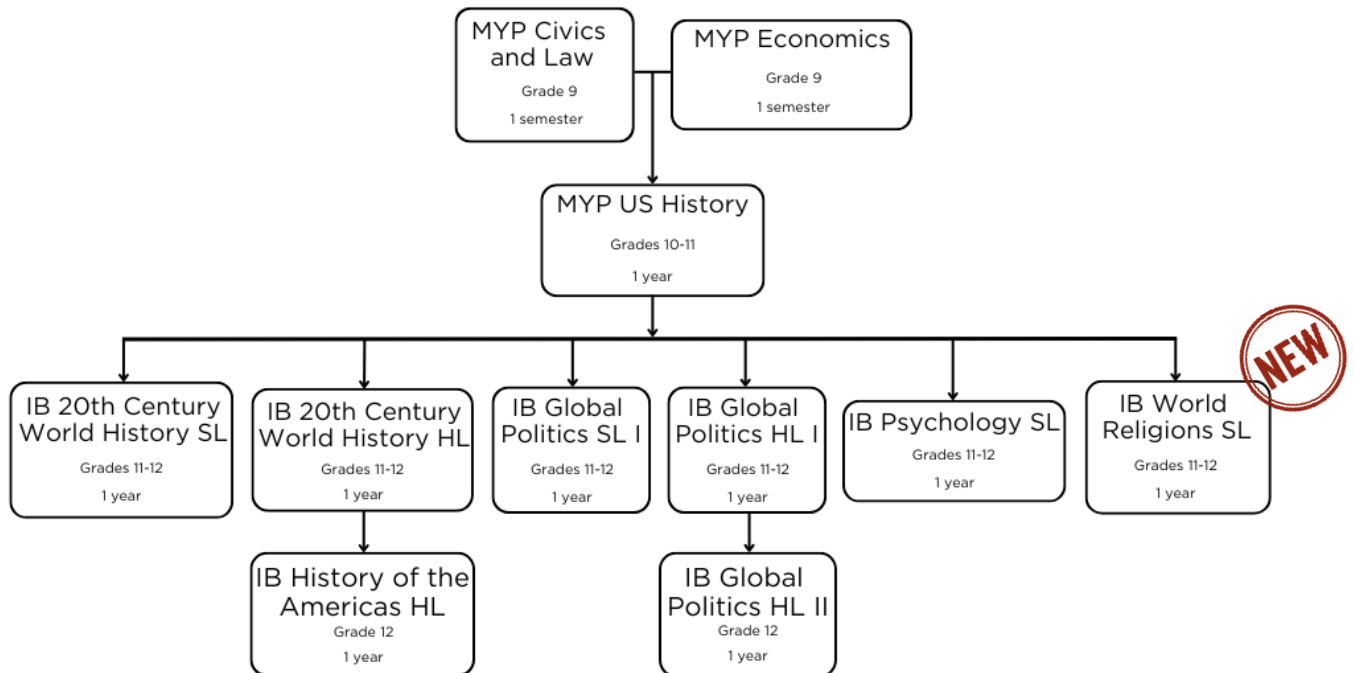
repeat denotes a course that may be repeated for credit

weighted denotes a weighted course

NCAA denotes an NCAA approved course

Overview of Individuals & Societies Courses

- MYP Civics and Law and MYP Economics to MYP US History
- MYP US History to:
 - IB 20th Century World History SL
 - IB 20th Century World History HL to IB History of the Americas HL (two-year course)
 - IB Global Politics SL
 - IB Global Politics HL I to HL II (two-year course)
 - IB Psychology SL
 - IB World Religions SL



Course Descriptions

MYP Civics and Law ^{NCAA}

Course #157112

Grade 9

Prerequisite: None

Length of Course: one semester

Course fee and materials: None

MYP Civics and Law provides a basic understanding of the design and operation of federal, state, and local governments. Relationships between the citizen and the government are explored, and the student develops an understanding of the significant role of the citizen in American democracy. The students become familiar with the American legal system and their rights and responsibilities as citizens.

MYP Economics ^{NCAA}

Course #153003

Grade 9

Prerequisite: None

Length of Course: one semester

Course fee and materials: None

MYP Economics studies the basic concepts of scarcity, opportunity cost, economic systems, and supply/demand. Topics covered include an understanding of the basic economic information distributed by mainstream media such as the unemployment rate, gross domestic product, inflation rate, monetary and fiscal policy, and how the economic decisions made by individuals, governments, and businesses impact members of society.

MYP US History ^{NCAA}

Course #155530 A/B

Grade 10-11

Prerequisite: None

Length of Course: one year

Course fee and materials: None

The course addresses the fundamental concepts of “time,” “cause and consequence,” “continuity and change,” and “similarity and difference,” developed and facilitated through a thematic and chronological approach. History is an account of the past, and a study of how and why past events occurred. MYP students will learn to interpret these events, analyze the consequences, synthesize the effects, and investigate historical evidence.

IB 20th Century World History SL ^{weighted, NCAA}

Course #155902 A/B

Grades 11-12

Prerequisite: None

Length of Course: one year

Course fee and materials: None

SL IB Assessment fee: \$129.00

This is one of three IB courses offered to fulfill the World History graduation requirement at

the standard level for Group Three. Students will take examinations on the following: Paper One – Rights and Protests. This unit explores U.S. Civil Rights through the passage of the 1964 Voting Rights Act, and Apartheid South Africa through 1964. Paper Two, Topic One – Authoritarian States. This unit explores the emergence, consolidation, and maintenance of power in Mao’s China and Hitler’s Germany. Paper Two, Topic Two – Causes and Effects of 20th Century Wars. This unit explores the causes, practices, and effects of the Spanish and Chinese Civil Wars, as well as World War I and World War II. All students are required to complete an Internal Assessment (a.k.a. historical investigation) of up to 2200 words.

IB 20th Century World History HL weighted, NCAA

Course #155903 A/B HL

Grade 11-12

Prerequisite: None

Length of Course: one year

Course fee and materials: None

SL IB Assessment fee: \$129.00

This is the first of a two-year cycle. Students on the HL track will take History of the Americas the following year. Students will complete two case studies under one of the following topics to be determined by the instructor: Climate and Innovation, Independence and Identity, Political and Economic Transitions, Conflict and Displacement, or Protest and Change. In addition, students will study two examples from different regions of the world from one of the following themes: Conflict (from 750 CE onwards), Innovation and transformation (from 750 CE onwards), Authoritarian rule (from 1750 CE onwards), Popular movements (from 1750 CE onwards). Students will be required to complete an Internal Assessment and take the IB exams in their Senior year.

IB History of the Americas weighted, NCAA

Course #155101 A/B HL

Grade 12

Prerequisite: IB 20th Century World History HL

Length of Course: one year

Course fee and materials: None

HL IB Assessment fee: \$129.00

This is a companion course to 20th Century World History H). The course will cover three areas of study: The Second World War and the Americas (1933-1945), The Cold War and the Americas (1945-1981), and Civil Rights and Social Movements post-1945. Within each unit, political, economic, and social issues are considered, and when relevant, cultural aspects are included. The countries of the Americas form a region of great diversity, but with close historical ties. Special emphasis will be placed on research and writing skills, particularly the Internal Assessment. Students will take IB History exams in May. This class satisfies the district U.S. History course requirement.

Note: The curriculum for this course will change in *Fall 2027* to align with the first-year curriculum change to IB 20th Century World History HL.

IB History of the Americas weighted, NCAA

Course #155101 A/B HL

Grade 12



Prerequisite: IB 20th Century World History HL
Length of Course: one year
Course fee and materials: None
HL IB Assessment fee: \$129.00

This is a companion course to 20th Century World History (HL). This course will cover two of twelve topics on the Americas, spanning circa 750CE to 2000. Potential topics may include The Great Depression and the Americas (1920-1939), Emergence of the Americas in Global Affairs (1880-1945), the Americas in the Cold War (1945-1991), or Social Movement in the Americas (1945-2020), among others. Within each unit, political, economic, and social issues are considered, and when relevant, cultural aspects are included. The countries of the Americas form a region of great diversity, but with close historical ties. Special emphasis will be placed on research and writing skills, particularly the Internal Assessment. Students will take IB History exams in May. This class satisfies the district U.S. History course requirement.

IB Psychology SL weighted, NCAA

Course #158011 A/B
Grades 11-12
Prerequisite: None
Length of Course: one year
Course fee and materials: Read book list with cost.
IB Assessment fee: \$129.00

IB Psychology SL is designed to fulfill the requirements for the Standard Level (SL)/Sixth Subject of the IB Program in Psychology. Students will complete the compulsory study of three psychological perspectives: biological, cognitive, and learning. In addition, students will study one of the following option areas: dysfunctional, social, or psychodynamic psychology.

Subtopics include nervous system functions, sensation, and perception, learning and memory, language, stress, and intelligence. For their internal assessment, students will undertake a partial replication of and report on one simple experiment of their choice.

IB Global Politics SL weighted, NCAA

Course #157325 A/B
Grades 11-12
Prerequisite: None
Length of Course: one year
Course fee and materials: None
IB Assessment fee: \$129.00

In this course, students will understand more about how the world they live in works, and what makes it change (or prevents it from changing). The course draws on a variety of disciplinary traditions in the study of politics and international relations and more broadly in the social sciences and humanities. Students build their knowledge and understanding of the local, national, international, and global dimensions of political activity and processes by critically engaging with contemporary political issues and challenges. This is a one-year Standard Level (SL) course.

IB Global Politics HL I weighted, NCAA

Course #157330 A/B

Grade 11

Prerequisite: None

Length of Course: two years

Course fee and materials: None

IB Assessment fee: \$129.00

In this course, students will understand more about how the world they live in works, and what makes it change (or prevents it from changing). The course draws on a variety of disciplinary traditions in the study of politics and international relations and more broadly in the social sciences and humanities. Students build their knowledge and understanding of the local, national, international, and global dimensions of political activity and processes by critically engaging with contemporary political issues and challenges.

IB Global Politics HL II weighted, NCAA

Course #157330 A/B

Grade 12

Prerequisite: None

Length of Course: two years

Course fee and materials: None

IB Assessment fee: \$129.00

In this course, students will build upon the knowledge acquired in IB Global Politics HL I to understand more about how the world they live in works and what makes it change (or prevents it from changing). The course draws on a variety of disciplinary traditions in the study of politics and international relations, and more broadly in the social sciences and humanities. Students build their knowledge and understanding of the local, national, international, and global dimensions of political activity and processes by critically engaging with contemporary political issues and challenges. This course expands pre-existing knowledge by addressing in-depth the topics of borders, environment, equality, health, identity, poverty, security, and technology.

**IB World Religions SL** weighted,

Course 159030 A/B

Grades 11-12

Prerequisite: None

Length of Course: one year

Course fee and materials: None

IB Assessment fee: \$129.00

IB World Religions is a systematic, analytical, yet empathetic study of the variety of beliefs and practices encountered in the nine main religions of the world. Skills of critical inquiry, evidence-based analysis, respectful engagement with primary sources, and understanding of adherents' perspectives will be emphasized. The course begins with an introductory unit covering five living world religions. Students then complete an in-depth study of two religions using thematic units guided by key concepts and questions. All study is anchored by three guiding questions: What is the human condition? Where are we going? How do we get there? The course concludes with an investigative study: an individual research project on a specific religious belief, practice, or experience. Students will have the opportunity to

take an IB exam at the end of the course.

The aims of the world religions standard level courses are to:

- promote an inquiring, analytical and empathetic approach to the study of religion.
- develop an informed understanding of the diversity of world religions.
- foster a respectful awareness of the significance of the beliefs and practices for the faith member.
- develop an understanding of how religion affects people's lives
- encourage a global appreciation of the issues surrounding religious and spiritual beliefs, controversies and movements in the world today.
- promote responsible and informed international citizenship.

Language Acquisition

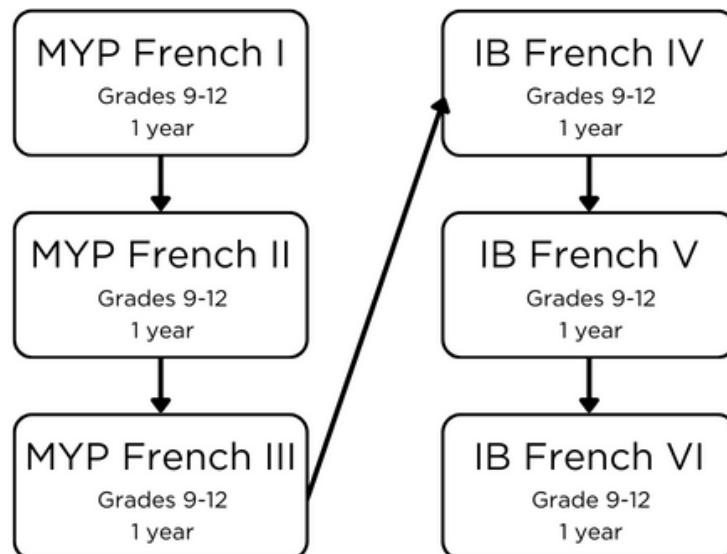
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^{weighted} denotes a weighted course

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Overview of French

- MYP French I to MYP French II
- MYP French II to MYP French III
- MYP French III to IB French IV
- IB French IV to IB French V
- IB French V to IB French VI



Course Descriptions

MYP French I ^{NCAA}

Course #062012 A/B

Prerequisite: None

Length of Course: one year

Course fee and materials: None

This course introduces and develops the language skills of listening, speaking, reading, and writing through a basic text and a variety of supplemental reading and enrichment activities. Students will learn to communicate in French and will be introduced to the life and culture of the French world. Class is conducted in the target language as much as possible according to the level of study. Students in this course will complete the first third of French 1. Additionally, teachers use the IB/MYP aims and objectives along with the learner profile, which help develop inquiring, knowledgeable and caring young people. Global contexts direct learning toward independent and shared inquiry into our common humanity and shared guardianship of the planet and help to make connections between the disciplines.

MYP French II ^{NCAA}

Course #062014 A/B

Prerequisite: MYP French I

Length of Course: one year

Course fee and materials: None

This class is an accelerated second-year French course building on skills developed in French I. Students continue to develop their listening, speaking, reading, and writing skills. Grammatical structure and vocabulary important for developing communicative competency will be continually reinforced by means of various drills and activities. The culture of French speaking countries continues to be explored.

MYP French III ^{NCAA}

Course #062016 A/B

Prerequisite: MYP French II

Length of Course: one year

Course fee and materials: None

MYP French III is designed for highly motivated students to build upon the four basic skills acquired in French I and II. Students are expected to understand standard speech on familiar topics and should be able to respond. This course will enlarge and refine the students' vocabulary and improve their ability to understand and respond to spoken and written language. The students continue to explore different French cultures and work intensively on oral expression to improve their fluency.

IB French IV ^{weighted, NCAA}

Course #062018 A/B

Prerequisite: MYP French III

Length of Course: one year

Course fee and materials: None

IB Assessment Fee: \$129.00 (SL II-Grade 12 only)

This course is a continuation of the previous level of language.

IB French V weighted, NCAA

Course #062020 A/B

Prerequisite: IB French IV

Length of Course: one year

Course fee and materials: None

IB Assessment fee: \$129.00

This course is a continuation of the previous level of language.

IB French VI weighted, NCAA

Course #062021 A/B

Prerequisite: IB French V

Length of course: one year

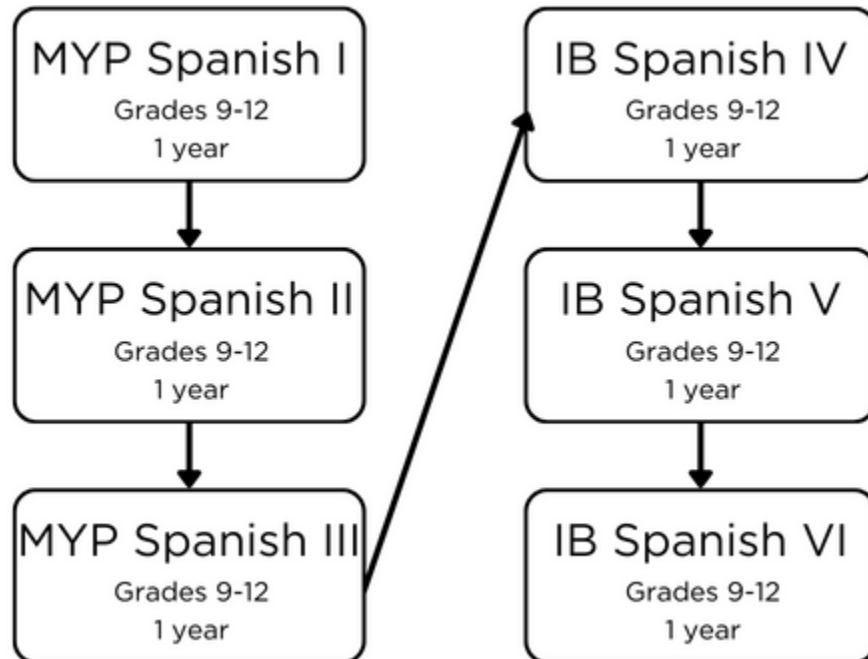
Course fee and materials: None

IB Assessment fee: \$129.00

This course is a continuation of the previous level of language.

Overview of Spanish

- MYP Spanish I to MYP Spanish II
- MYP Spanish II to MYP Spanish III
- MYP Spanish III to IB Spanish IV
- IB Spanish IV to IB Spanish V
- IB Spanish V to IB Spanish VI



Course Descriptions

MYP Spanish I ^{NCAA}

Course #062086 A/B

Prerequisite: None

Length of Course: one year

Course fee and materials: None

This course introduces and develops the language skills of listening, speaking, reading, and writing through a basic text and a variety of supplemental reading and enrichment activities. Students will learn to communicate in Spanish and will be introduced to the life and culture of the Spanish world. Class is conducted in the target language as much as possible according to the level of study. Students in this course will complete the first third of Spanish 1. Additionally, teachers use the IB/MYP aims and objectives along with the learner profile, which help develop inquiring, knowledgeable and caring young people. Global contexts direct learning toward independent and shared inquiry into our common humanity and shared guardianship of the planet and help to make connections between the disciplines.

MYP Spanish II ^{NCAA}

Course #062087 A/B

Prerequisite: Spanish I, two or more years of Middle School Spanish, or proficient performance on placement test. To take the placement test please contact [Lisa Merten](#).

Length of Course: one year

Course fee and materials: None

This course is an accelerated second-year Spanish program which builds on skills developed in MYP Spanish I. Students continue to develop their listening, speaking, reading, and writing skills. Grammatical structure and vocabulary needed for developing communicative competence will be continually reinforced by means of various drills and activities. The culture, history, and geography of Spanish-speaking countries continue to be explored.

MYP Spanish III ^{NCAA}

Course #062089 A/B

Prerequisite: Spanish II

Length of Course: one year

Course fee and materials: None

MYP Spanish is designed for highly motivated students; it builds upon the four basic skills acquired in Spanish I and MYP Spanish II. Students are expected to understand and respond to standard speech on familiar topics. This course will enlarge and refine the students' vocabulary; students will improve their ability to understand and respond to the spoken and written language. The students continue exploring different Spanish-speaking cultures and work intensively on oral expression to improve their fluency. A novelette and a standard grammar text are used. Spanish and Latin American art, literature and music, the Indigenous cultures of Mexico and Mesoamerica, and the themes found in Don Quixote are among the topics explored.

IB Spanish IV ^{weighted, NCAA}

Course #062091 A/B

Prerequisite: Spanish III
Length of Course: one year
Course fee and materials: None
IB Assessment Fee: \$129.00 (Grade 12 only)

This course is a continuation of the previous level of language.

IB Spanish V weighted, NCAA

Course #062093 A/B
Prerequisite: IB Spanish IV.
Length of Course: one year
Course fee and materials: None
IB Assessment fee: \$129.00 (Grade 12 only)

This course is a continuation of the previous level of language.

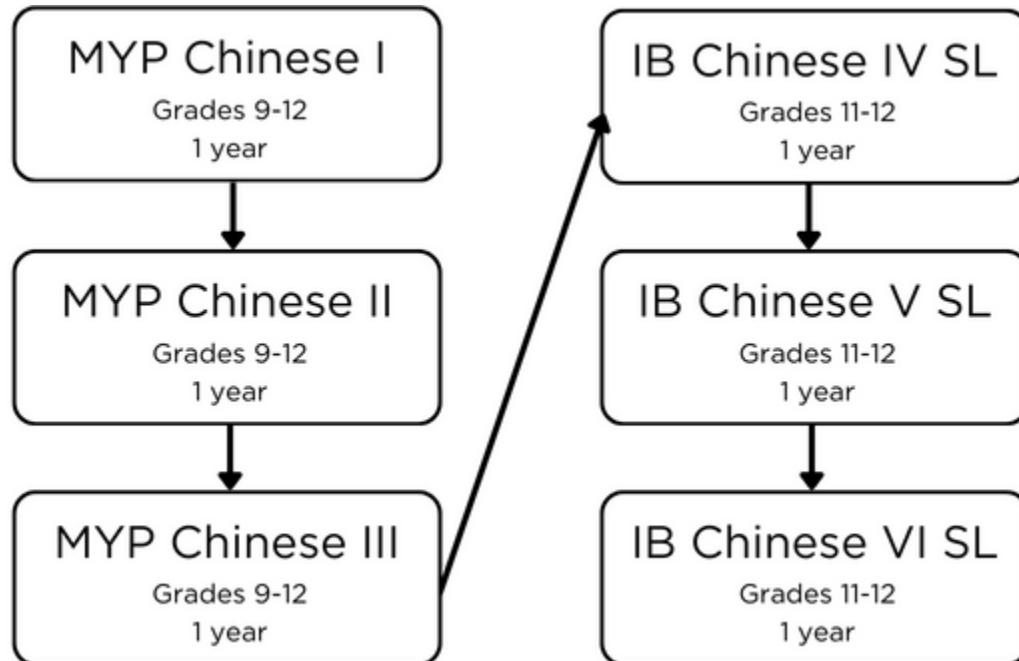
IB Spanish VI weighted, NCAA

Course #062094 A/B
Prerequisite: IB Spanish V
Length of Course: one year
Course fee and materials: None
IB Assessment fee: \$129.00

This course is a continuation of the previous level of language.

Overview of Chinese (Mandarin)

- MYP Chinese I to MYP Chinese II
- MYP Chinese II to MYP Chinese III
- MYP Chinese III to IB Chinese IV SL
- IB Chinese IV SL to IB Chinese V SL
- IB Chinese V SL to IB Chinese VI SL



Course Descriptions

MYP Chinese I (Mandarin) ^{NCAA}

Course #062138 A/B

Prerequisite: None

Length of Course: one year

Course fee and materials: None

Students learn to communicate in Chinese (Mandarin) using various methods. Simple conversational language and grammar related to personal interests and Chinese (Mandarin) culture are used to draw connections and make comparisons.

MYP Chinese II (Mandarin) ^{NCAA}

Course #062143 A/B

Prerequisite: MYP Chinese I (Mandarin)

Length of Course: one year

Course fee and materials: None

Level II builds on skills and knowledge of Level I with increasing emphasis on pronunciation, intonation, and conventions, using more specialized vocabulary. Students will engage in more conversations. Narratives will be used to further knowledge of structural patterns and word elements.

MYP Chinese III (Mandarin) ^{NCAA}

Course #062144 A/B

Prerequisite: MYP Chinese II (Mandarin)

Length of Course: one year

Course fee and materials: None

MYP Chinese III builds on the skills required in MYP Chinese II. Conversation and grammar related to personal interests, daily life, Chinese culture, history, and civilization continue to build connections and make comparisons. MYP Chinese III encompasses a broad range of reading, writing, speaking, and listening to reinforce accuracy and improve fluency using a variety of interactive methods.

IB Chinese IV (Mandarin) SL ^{weighted, NCAA}

Course #062157 A/B

Prerequisite: MYP Chinese III (Mandarin)

Length of Course: one year

Course fee and materials: None

IB Assessment Fee: \$129.00

Students will continue to develop the ability to communicate in the Chinese (Mandarin) language through the study of language, themes, and texts. In doing so, students will also develop conceptual understandings of how language works. Communication will be evidenced through receptive, productive, and interactive skills across a range of contexts and purposes that are appropriate to the level of the course.

IB Chinese V (Mandarin) SL ^{weighted, NCAA}

Course #062157 A/B

Prerequisite: IB Chinese IV (Mandarin) SL
Length of Course: one year
Course fee and materials: None
IB Assessment Fee: \$129.00

Students will continue to develop the ability to communicate in the Chinese (Mandarin) language through the study of language, themes, and texts. In doing so, students will also develop conceptual understandings of how language works. Communication will be evidenced through receptive, productive, and interactive skills across a range of contexts and purposes that are appropriate to the level of the course.

IB Chinese VI (Mandarin) SL weighted, NCAA

Course #062159 A/B
Prerequisite: IB Chinese IV (Mandarin) SL
Length of Course: one year
Course fee and materials: None
IB Assessment Fee: \$129.00

Students will continue to develop the ability to communicate in the Chinese (Mandarin) language through the study of language, themes, and texts. In doing so, students will also develop conceptual understandings of how language works. Communication will be evidenced through receptive, productive, and interactive skills across a range of contexts and purposes that are appropriate to the level of the course.

Language and Literature

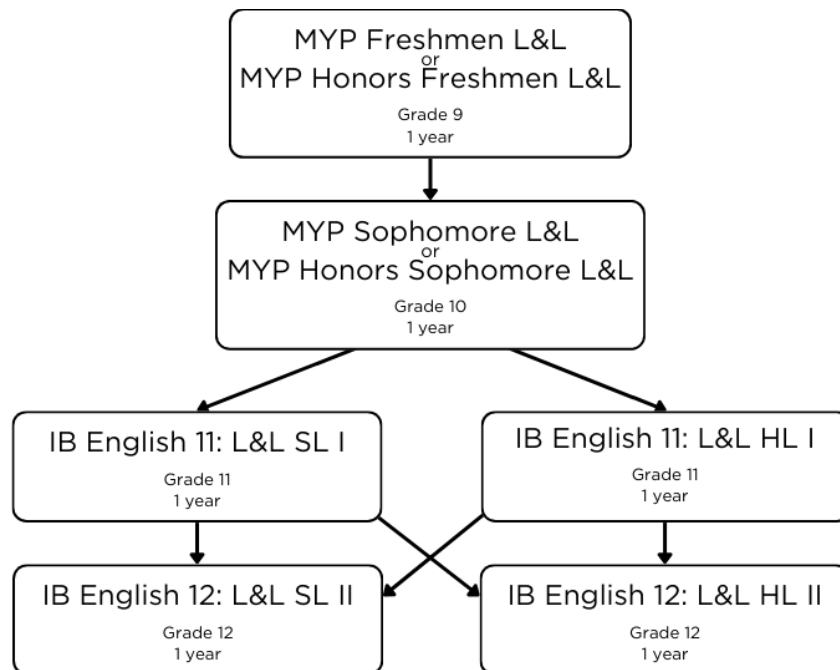
^{repeat} denotes a course that may be repeated for credit

^{weighted} denotes a weighted course

^{NCAA} denotes an NCAA approved course

Overview of Courses for Language and Literature Credit

- MYP Freshmen L&L and MYP Honors Freshmen L&L to MYP Sophomore L&L and MYP Honors Sophomore L&L
- MYP Sophomore L&L and MYP Honors Sophomore L&L to IB English 11: L&L SL I or IB English 11: L&L HL II
- IB English 11: L&L SL I to IB English 12: L&L SL II or IB English 12: L&L HL II
- IB English 11: L&L HL I to IB English 12: L&L SL II or IB English 12: L&L HL II



Language and Literature Credit Course Descriptions

MYP Freshmen Language and Literature ^{NCAA}

Course #050051 A/B

Grade 9

Prerequisite: None

Length of Course: one year

Course fee and materials: Students are expected to provide their own copies of the anchor texts. If you are unable to obtain a copy, please speak to your teacher.

MYP Language and Literature focuses on developing recognition of types of text and improving communication skills through reading, writing, listening, and speaking. Additionally, teachers use the IB/MYP aims and objectives along with the Learner Profile. This course also cultivates research skills to develop critical thinking skills across many types of media. Global Contexts direct learning toward independent and shared inquiry into our common humanity and shared guardianship of the planet. Anchor texts: *Lord of the Flies* by William Golding; *American Born Chinese* by Gene Luen Yang; *Frankenstein* by Mary Shelley; short story selections; selections from *House on Mango Street* by Sandra Cisneros. Students may have a choice of novels in certain units.

MYP Honors Freshmen Language and Literature ^{weighted, NCAA}

Course #050049 A/B

Grade 9

Prerequisite: None

Length of Course: one year

Course fee and materials: Students are expected to provide their own copies of the anchor texts. If you are unable to obtain a copy, please speak to your teacher.

MYP Language and Literature focuses on developing recognition of types of text and improving communication skills through reading, writing, listening, and speaking. Additionally, teachers use the IB/MYP aims and objectives along with the Learner Profile. This course also cultivates research skills to develop critical thinking skills across many types of media. Global Contexts direct learning toward independent and shared inquiry into our common humanity and shared guardianship of the planet. Honors Freshman Language and Literature will include additional texts, faster pacing, and more rigorous assessments. Anchor texts: *Lord of the Flies* by William Golding; *American Born Chinese* by Gene Luen Yang; *Frankenstein* by Mary Shelley; short story selections; selections from *House on Mango Street* by Sandra Cisneros. Students may have a choice of novels in certain units.

MYP Sophomore Language and Literature ^{NCAA}

Course #050056 A/B

Grade 10

Prerequisite: Freshman Language & Literature

Length of Course: one year

Course fee and materials: Students are expected to provide their own copies of the anchor texts. If you are unable to obtain a copy, please speak to your teacher.

MYP Language and Literature focuses on developing recognition of types of text and improving communication skills through reading, writing, listening, and speaking.

Additionally, teachers use the IB/MYP aims and objectives along with the Learner Profile. This course also cultivates research skills to develop critical thinking skills across many types of media. Global Contexts direct learning toward independent and shared inquiry into our common humanity and shared guardianship of the planet. Year 5 continues to build students' analytical skills through further reading of classic and contemporary literature. Anchor texts: *The Glass Castle* by Jeannette Walls; *Fahrenheit 451* by Ray Bradbury; *The Curious Incident of the Dog in the Night-Time* by Mark Haddon; and *Fences* by August Wilson. Students may have a choice of novels in certain units.

MYP Honors Sophomore Language and Literature weighted, NCAA

Course #050059 A/B

Grade 10

Prerequisite: Recommendation of current instructor

Length of Course: one year

Course fee and materials: Students are expected to provide their own copies of the anchor texts. If you are unable to obtain a copy, please speak to your teacher.

MYP Language and Literature focuses on developing recognition of types of text and improving communication skills through reading, writing, listening, and speaking. Additionally, teachers use the IB/MYP aims and objectives along with the Learner Profile. This course also cultivates research skills to develop critical thinking skills across many types of media. Global Contexts direct learning toward independent and shared inquiry into our common humanity and shared guardianship of the planet. Year 5 continues to build students' analytical skills through further reading of classic and contemporary literature. Honors Sophomore Language and Literature will include additional text, faster pacing, and more rigorous assessments. Anchor texts: *The Glass Castle* by Jeannette Walls; *Fahrenheit 451* by Ray Bradbury; *The Curious Incident of the Dog in the Night-Time* by Mark Haddon; and *Fences* by August Wilson. Students may have a choice of novels in certain units.

IB English 11: Language and Literature SL I/HL I weighted, NCAA

Course #051900 A/B SL I

Course #050040 A/B HL I

Grade 11

Prerequisite: MYP Sophomore Literature & Composition

Length of Course: one year

Course fees and materials: Students are expected to provide their own copies of the anchor texts. If you are unable to obtain a copy, please speak to your teacher.

IB Assessment fee: none

This course aims to develop skills of textual analysis and the understanding that texts, both literary and non-literary, can relate to culturally determined reading practices, and to encourage students to question the meaning generated by language and texts. An understanding of the ways in which formal elements are used to create meaning in a text is combined with an exploration of how that meaning is affected by reading practices that are culturally defined and by the circumstances of production and reception. Helping students to focus closely on the language of studied texts and to become aware of the role of wider context in shaping meaning is central to the course. The study of literature in translation from other cultures is especially important to IB students because it contributes to a global perspective. Texts are chosen from a variety of sources, genres, and media. Students will

take their IB English internal assessments at the end of the first year. See below for assessment details. Anchor literary texts: *Maus* by Art Spiegelman; *Othello* by William Shakespeare; *Station Eleven* by Emily St. John Mandel. Students may have a choice of novels in certain units. Non-literary bodies of work may differ between SL & HL.

IB English 12: Language and Literature SL II/HL II weighted, NCAA

Course #051903 A/B SL II

Course #050045 A/B HL II

Grade 12

Prerequisite: IB English 11 A: Language and Literature HL I or SL I

Length of Course: one year

Course fee and materials: Students are expected to provide their own copies of the anchor texts. If you are unable to obtain a copy, please speak to your teacher.

IB Assessment fee: \$129.00

This is the second of the two-year IB Language & Literature course. Students will continue the IB study topics and prepare for the IB SL/HL Language & Literature exam. Students will take their IB English exam at the end of the second year. Additionally, two externally assessed May examinations, one in commentary format, the second a formal comparative literature essay, will be required as a fulfillment of the IB curriculum. See below for assessment details. Anchor literary texts: *Persepolis: The Story of a Childhood* by Marjane Satrapi; *Binti* by Nnedi Okorafor; *One Day in the Life of Ivan Denisovich* by Aleksander Solzhenitsyn, and poetry selections. Students may have a choice of novels in certain units. Non-literary bodies of work may differ between SL & HL.

Assessments for SL:

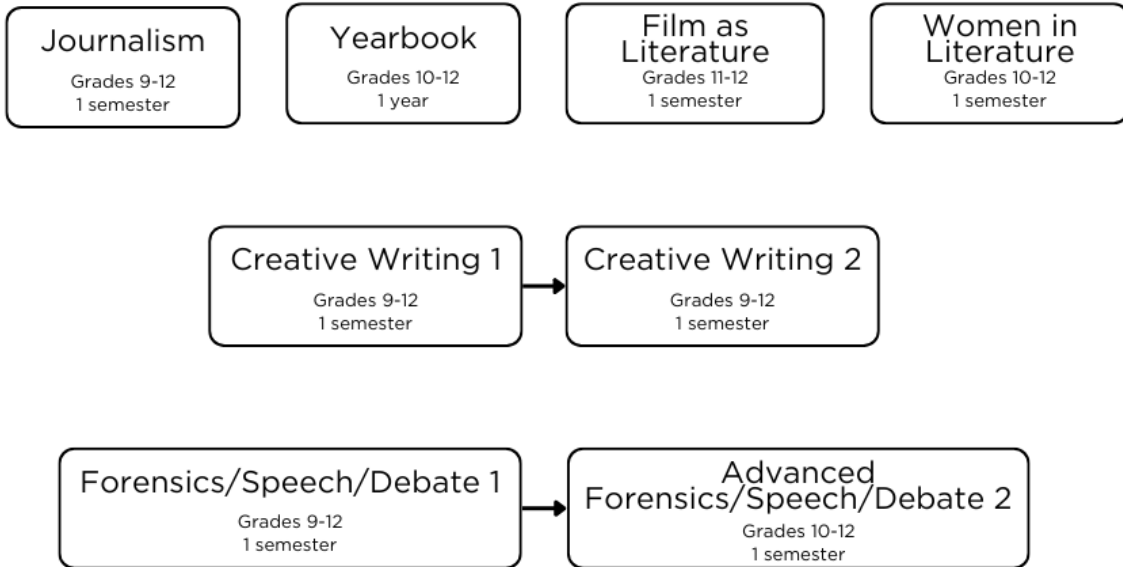
- Individual oral: Supported by an extract from one non-literary text and one from a literary work, students will offer a prepared response of 10 minutes, followed by five minutes of questions by the teacher, to the following prompt: Examine the ways in which the global issue of your choice is presented through the content and form of two of the texts that you have studied.
 - 40 marks, end of junior year
- Paper one: Guided textual analysis (one hour 15 minutes); The paper consists of two non-literary passages, from two different text types, each accompanied by a question. Students choose one passage and write an analysis of it.
 - 20 marks, end of senior year
- Paper two: Comparative essay (one hour 45 minutes); The paper consists of four general questions. In response to one question students write a comparative essay based on two works studied in the course.
 - 30 marks, end of senior year

Assessments for HL:

- Individual oral: Supported by an extract from both one non-literary text and one from a literary work, students will offer a prepared response of 10 minutes, followed by five minutes of questions by the teacher, to the following prompt: Examine the ways in which the global issue of your choice is presented through the content and form of two of the works that you have studied. (40 marks); end of junior year.
- HL essay: Students submit an essay on one non-literary text or a collection of non-literary texts by the same author, or a literary text or work studied during the course. (20 marks). The essay must be 1,200-1,500 words in length.
 - end of junior and senior year
- Paper one: Guided textual analysis (two hours 15 minutes); The paper consists of two non-literary passages, from two different text types, each accompanied by a question. Students write an analysis of each of the passages.
 - 40 marks, end of senior year
- Paper two: Comparative essay (one hour 45 minutes); The paper consists of four general questions. In response to one question students write a comparative essay based on two works studied in the course.
 - 30 marks, end of senior year

Overview of Language & Literature Elective Courses

- Journalism
- Yearbook
- Film as Literature
- Women in Literature
- Creative Writing 1 to Creative Writing 2
- Forensics/Speech/Debate 1 to Advanced Forensics/Speech/Debate 2



Language & Literature Elective Course Descriptions

Women in Literature

Course #053908

Grades 10-12

Prerequisite: None

Length of Course: one semester

Course fee and materials: Book list/supply list provided by instructor on the first day of class.

Students who enroll in this course will have the opportunity to explore literature by and about women.

Journalism ^{repeat}

Course #054305

Grades 9-12

Prerequisite: None

Length of Course: one semester

Course fee and materials: Book list/supply list provided by instructor on the first day of class.

Students will learn aspects of journalistic writing and production with emphasis on copy, design, and photography. Students will practice interviewing techniques, write headlines and subheads, and use the inverted pyramid format. Importance of editing and proofreading will be stressed. Students will use Adobe InDesign, Photoshop, apply rules of design effective use of photography and caption writing. Elements of the newspaper and yearbook will be taught. Business aspects of publication will be covered as well as journalistic ethics and legal issues with publications. Students will write feature articles and news stories for potential publication in the newspaper or yearbook. This course does **not** count as an English credit but is a core elective.

Yearbook ^{repeat}

Course #054900 A/B

Grades 10-12

Prerequisite: Application (available from Ms. Rathmann)

Length of Course: one year

Course fee and materials: Information provided by the instructor upon acceptance to the course.

This class is responsible for the production of the school's yearbook. Students will learn various types of software involved in publishing as well as basic principles of journalism, publishing, and layout design. Students will attend scheduled conferences and activities during and outside of school hours. There will be work sessions and yearbook assignments outside of regular class hours necessary to provide coverage of school events and to meet publishing deadlines. This class may be taken more than once for credit. This course does **not** count as an English credit, but it is a core elective.

Film as Literature

Course #053900

Grades 11-12

Prerequisite: Parent permission slip for some rated "R" movies
Length of Course: one semester
Course fee and materials: None

Through this course, students will analyze film as a record of human experience while focusing on the literary elements inherent in the film genre. Film as Literature will focus on analyzing films adapted from literary works as well as films from original screenplays. Students will analyze films for theme, plot, characterization, symbolism, and other literary aspects just as they would a written work. Students will write analytical essays about the works. This course does **not** count as an English credit but is a core elective.

Creative Writing 1 ^{NCAA}

Course #054200
Grades 9-12
Prerequisite: None
Length of Course: one semester
Course fee and materials: Book list will be provided by the instructor on the first day of class.

In this course, students will explore many writing genres. The goal of the course is to help students identify quality writing and to realize the importance of accurately observing and interpreting their surroundings. This course does **not** count as an English credit but is a core elective.

Creative Writing 2 ^{NCAA}

Course #054205
Grades 9-12
Prerequisite: Creative Writing 1 or instructor approval
Length of Course: one semester
Course fee and materials: Book list will be provided by the instructor on the first day of class.

This course is for students to continue to develop and advance existing creative writing skills with an emphasis on publication. Techniques of writing and publishing (including design, layout, and illustrations) will be addressed. Emphasis will be on maintaining a portfolio and on preparing selected pieces for publication. Students in Creative Writing 2 will produce a literary magazine. Creative Writing 2 students will be expected to mentor students enrolled in creative writing 1 (classes meet concurrently). This course does **not** count as an English credit but is a core elective.

Forensic/Speech/Debate 1 ^{repeat, NCAA}

Course #055100
Grades 9-12
Prerequisite: None
Length of course: one semester
Course fee and materials: None (Optional Forensics/Debate team registration: \$100.00)

This course is designed for the seriously competitive speech student. It stresses participation for forensic competition in the following events: original oratory, debate, extemporaneous speaking, congress, and interpretation of drama, poetry, and humor. This

course does **not** count as an English credit but is a core elective.

Forensic/Speech/Debate 1 students are strongly encouraged to participate as members of the speech and debate team, which involves after school and weekend practices or competitions.

Advanced Forensic/Speech/Debate 2 repeat NCAA

Course #055105

Grades 10-12

Prerequisite: Forensics/Speech/Debate 1

Length of course: one semester

Course fee and materials: None (Optional Forensics/Debate team registration: \$100.00)

This course is a continuation of Forensics 1 and is designed for the seriously competitive speech student. It stresses participation for forensic competition in original oratory, extemporaneous speaking, congress, and debate. This course does **not** count as an English credit but is a core elective.

Students enrolled in Advanced Forensics/Speech/Debate 2 will be expected to compete as part of the speech and debate team, which involves after school and weekend practices or competitions. Forensics/Speech/Debate 2 students will also be expected to mentor Forensics/Speech/Debate 1 students (classes meet concurrently).

Math

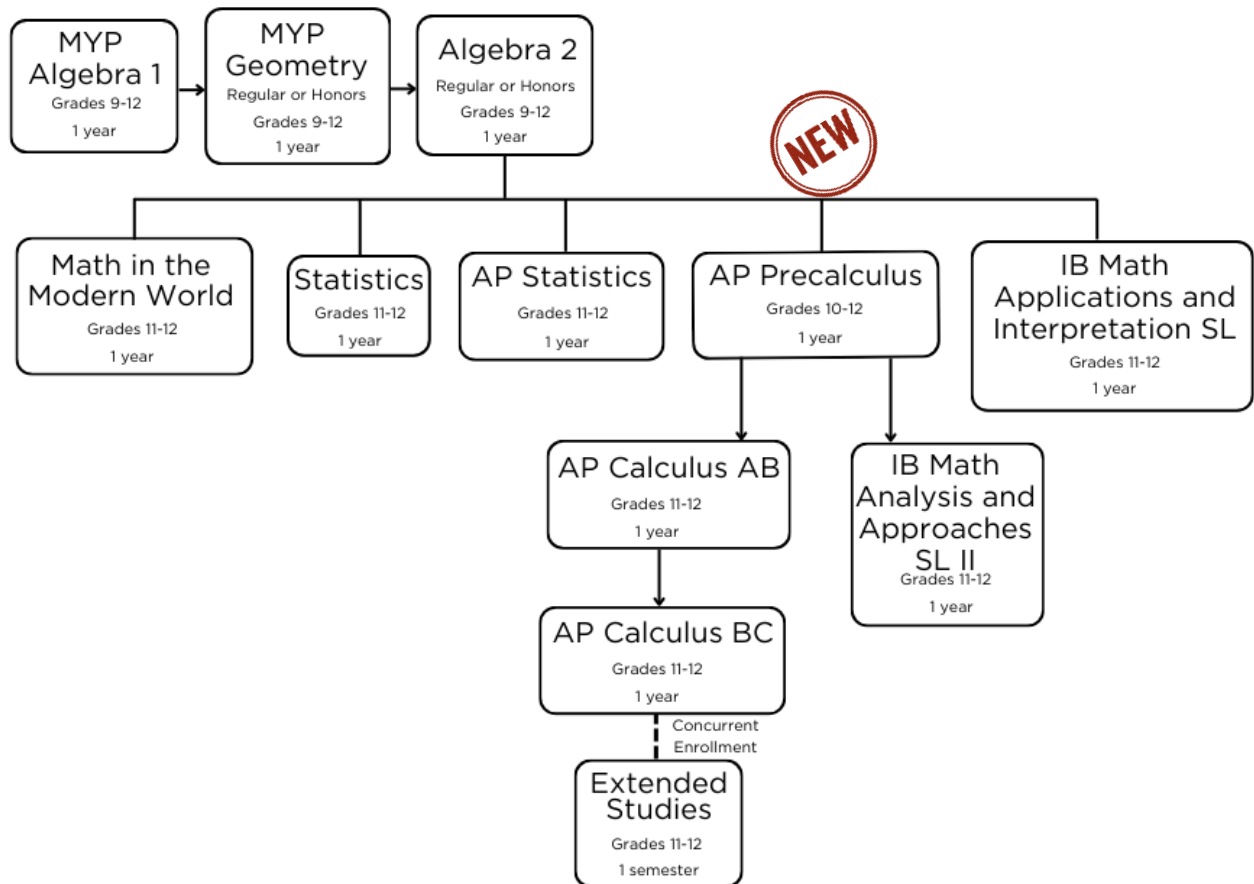
repeat denotes a course that may be repeated for credit

weighted denotes a weighted course

NCAA denotes an NCAA approved course

Overview of Math Courses

- MYP Algebra 1 to MYP Geometry
- MYP Geometry to Algebra 2
- Algebra 2 to Math in the Modern World, Statistics, AP Statistics, AP Precalculus, or IB Math Applications and Interpretation SL
- AP Precalculus to: AP Calculus AB, IB Math Analysis and Approaches SL II, AP Statistics, or Statistics
- AP Calculus BC and Extended Studies are **concurrent enrollment** courses



Course Descriptions

MYP Algebra 1 ^{NCAA}

Course #111102 A/B

Grades 9-12

Prerequisite: None

Length of Course: one year

Course fee and materials: Graphing Calculator (TI-84 or TI-84 plus).

Topics consisting of analyzing and solving linear equations, pairs of simultaneous linear equations and functions will be further developed. Students will construct, compare, solve, and analyze linear, quadratic, and exponential functions and inequalities as well as perform arithmetic operations on polynomials. Students will also summarize, represent, and interpret data, including Personal Financial Literacy topics. Students who are mathematically proficient will demonstrate characteristics defined by the Standards for Mathematical Practice.

MYP Geometry ^{NCAA}

Course #116025 A/B

Grades 9-12

Prerequisite: Algebra 1

Length of Course: one year

Course fee and materials: Graphing Calculator (TI-84 or TI-84 plus).

Topics in two-dimensional and three-dimensional figures including lines, planes, angles, polygons, coordinate geometry, circles, and polyhedrons will be presented. Applications integrate algebraic concepts and use inductive and deductive reasoning to develop geometric proofs. Problems are often linked to real-world applications and graphing, vocabulary, and technical writing will be emphasized. Students who are mathematically proficient will demonstrate characteristics defined by the Standards for Mathematical Practice.

MYP Honors Geometry ^{weighted, NCAA}

Course #116021 A/B

Grade 9-10

Prerequisite: Algebra 1

Length of Course: one year

Course fee and materials: Graphing Calculator (TI-84 or TI-84 plus).

MYP Honors Geometry covers topics in two-dimensional and three-dimensional figures including lines, planes, angles, polygons, coordinate geometry, circles, and polyhedrons. Topics integrate algebraic concepts and use inductive and deductive reasoning to develop geometric proofs. Problems are linked to real world applications with an emphasis on graphing, vocabulary, and technical writing. Applications in this course are designed to strengthen abstract reasoning and critical thinking skills. Students who are mathematically proficient will demonstrate characteristics defined by the Standards for Mathematical Practice.

Algebra 2 ^{NCAA}

Course #111200 A/B

Grades 9-12

Prerequisite: Algebra 1 & Geometry

Length of Course: one year

Course fee and materials: Graphing Calculator (TI-84 or TI-84 plus).

Topics consisting of linear, quadratic, and exponential functions, and trigonometric ratios will be further developed. Students will interpret, analyze, model, and transform polynomial, rational, trigonometric, and radical functions. Students will solve and justify solutions for polynomial functions including real and complex solutions. Students will solve exponential and logarithmic functions using appropriate technology. Students will also summarize, represent, and interpret data, including Personal Financial Literacy topics. Students who are mathematically proficient will demonstrate characteristics defined by the Standards for Mathematical Practice.

Honors Algebra 2 ^{weighted, NCAA}

Course #111205 A/B

Grades 9-12

Prerequisite: Algebra 1 & Geometry

Length of Course: one year

Course fee and materials: Graphing Calculator (TI-84 or TI-84 plus).

Topics in previous algebra courses are built upon, and the additional topics of polynomials, rational, exponential, and logarithms functions, as well as, matrices, complex numbers, sequences and series, probability and statistics, and trigonometry are presented. Graphing calculators will be used to promote understanding of advanced concepts and develop graphical and numeric solutions. Problems are often linked to real-world applications and graphing, vocabulary, and technical writing will be emphasized. This course is designed to strengthen abstract reasoning and critical thinking skills. Strong performance in pre-requisite courses is essential to meet the increased expectations.

Math in the Modern World

Course #112200 A/B

Grades 11-12

Prerequisite: Algebra 1 and Geometry

Length of Course: one year

Course fee and materials: Graphing Calculator (TI-84 or TI-84 plus)

Students will use mathematics to make informed financial decisions in their personal and professional lives. Beyond the computational skills required to manage finances, students will explore topics such as decision-making with units, financial management, exponential growth, mathematical models, statistical modeling, apportionment in government and business decision-making, and discrete math.

Statistics ^{NCAA}

Course #117000 A/B

Grades 10-12

Prerequisite: Algebra 2

Length of Course: one year

Course fee and materials: Graphing Calculator (TI-84 or TI-84 plus)

Statistical concepts to construct simple surveys and experiments will be used to analyze data. Basic statistics covers the collection, organization and analysis of data.

Advanced Placement Statistics weighted, NCAA

Course #117005 A/B

Grades 10-12

Prerequisite: Algebra 2, or Precalculus

Length of Course: one year

Course fee and materials: Graphing Calculator (TI-84 or TI-84 plus).

Exam fee: \$105.00

Advanced Placement Statistics is a course that covers topics related to the collection, organization, and analysis of data. Topics include descriptive statistics, probability, simulation, binomial and normal distributions, hypothesis testing, and statistical inference. At the conclusion of this course, students will be prepared for and expected to take the Advanced Placement exam for potential college credit.



Advanced Placement Precalculus weighted, NCAA

Course #113190 A/B

Grades 10-12

Prerequisite: Algebra 2

Length of Course: one year

Course fee and materials: Graphing Calculator (TI-84 or TI-84 plus).

Students in AP Precalculus will focus on functions modeling dynamic phenomena. Students will develop and hone symbolic manipulation skills, including solving equations and manipulating expressions, and will learn that functions and their compositions, inverses, and representations, are useful for solving problems in mathematical and applied contexts. Students will apply the skills learned to situations that involve quantitative reasoning. Topics include polynomial, rational, exponential, logarithmic, trigonometric, polar and functions involving parameters, vectors, and matrices. These topics are foundational for careers in mathematics, physics, biology, health science, business, social science, and data science.

IB Math Applications and Interpretations SL weighted, NCAA

Course #110038 A/B

Grades 11-12

Prerequisite: Algebra 2

Length of Course: one year

Course fee and materials: Graphing Calculator (TI-84 or TI-84 plus).

IB Assessment fee: \$129.00

This course is designed to prepare students for the IB Mathematics Applications and Interpretation SL exam. Concepts from MYP Geometry and MYP Algebra II are built upon. This course is designed for students who are interested in harnessing the power of technology when exploring mathematical models and who enjoy the more practical side of mathematics. The course consists of five compulsory topics: Algebra and Numerical Analysis, Functions, Geometry and Trigonometry, Statistics and Probability, and Calculus. The internally assessed component for Mathematics Applications and Interpretation SL (the portfolio) is a substantial piece of research based on different areas of the syllabus and

represents three types of tasks (mathematical investigation, problem-solving, and modeling). This course would be appropriate for students interested in the fields of social sciences, natural sciences, statistics, business, economics, psychology, and design.

Advanced Placement Calculus AB weighted, NCAA

Course #113100 A/B

Grades 10-12

Prerequisite: Precalculus

Length of Course: one year

Course fee and materials: Graphing Calculator (TI-84 or TI-84 plus).

Exam fee: \$105.00

Advanced Placement Calculus AB builds upon algebraic and geometric principles covered in Precalculus. Applications involve limits, differentiation, and integration tied to topics including related rates, graphical analysis, integral areas, and volumes of revolution. At the conclusion of this course, students will be prepared for and expected to take the Advanced Placement Calculus AB exam for potential college credit.

Advanced Placement Calculus BC weighted, NCAA

Course #113200 A/B

Grades 11-12

Prerequisite: IB Math Analysis and Approaches SL II **or** Precalculus

Co-requisite: **Concurrently enrolled** in Extended Studies for Advanced Math Learners

Length of Course: one year

Course fee and materials: Graphing Calculator (TI-84 or TI-84 plus). Exam fee: \$105.00

Advanced Placement Calculus BC builds upon algebraic and geometric principles covered in Precalculus. This course covers all the topics in Advanced Placement Calculus AB with further investigation into vectors, parametric equations, infinite series, and differential equations. At the conclusion of this course, students will be prepared for and expected to take the Advanced Placement Calculus BC exam for potential college credit.

Extended Studies for Advanced Math Learners weighted

Course #110065 A/B

Grades 11-12

Co-requisite: **Concurrently enrolled** in AP Calculus BC

Length of Course: one semester (one credit)

Course fee and materials: None

This course offers students additional topics and extensions that support students concurrently enrolled in Honors, Advanced Placement, and International Baccalaureate courses. Extended Studies for Advanced Math Learners will allow students to extend and apply core content classroom learning through additional course material and/or laboratory time.

IB Math Analysis and Approaches SL II weighted, NCAA

Course #110048 A/B

Grades 11-12

Prerequisite: Precalculus

Length of Course: one year

Course fee and materials: Graphing Calculator (TI-84 or TI-84 plus).
IB Assessment fee: \$129.00

This is the second year of a two-year IB Mathematics curriculum. This course extends the topics taught in IB Precalculus and is designed for students who enjoy developing mathematical arguments, problem solving, and exploring real and abstract applications both with and without technology. Topics include vectors, differential calculus, integration, probability, statistical sampling techniques, statistical modeling, discrete and continuous random variables. The internally assessed component for Mathematics Analysis and Approaches SL is a substantial piece of research based on different areas of the syllabus and represents three types of tasks (mathematical investigation, problem-solving and modeling). At the conclusion of this course, students will be prepared for and expected to take the Analysis and Approaches Standard Level Exam.

Performing Arts

Overview of Music Studies

Music Appreciation



Music Studies Course Descriptions

Music Appreciation

Course #127000

Grades 9-12

Prerequisite: None.

Length of Course: one semester

Course fee and materials: None

Music Appreciation is an exploratory music class that covers many types of music, including, but not limited to, Baroque, Classical, Jazz, Latin, and Rock styles. Students in this class have the opportunity to listen to music, watch videos, and perform presentations in class, on music that they enjoy. This class is open to anyone who likes music and desires to learn more about how today's music evolved from the music of previous eras.

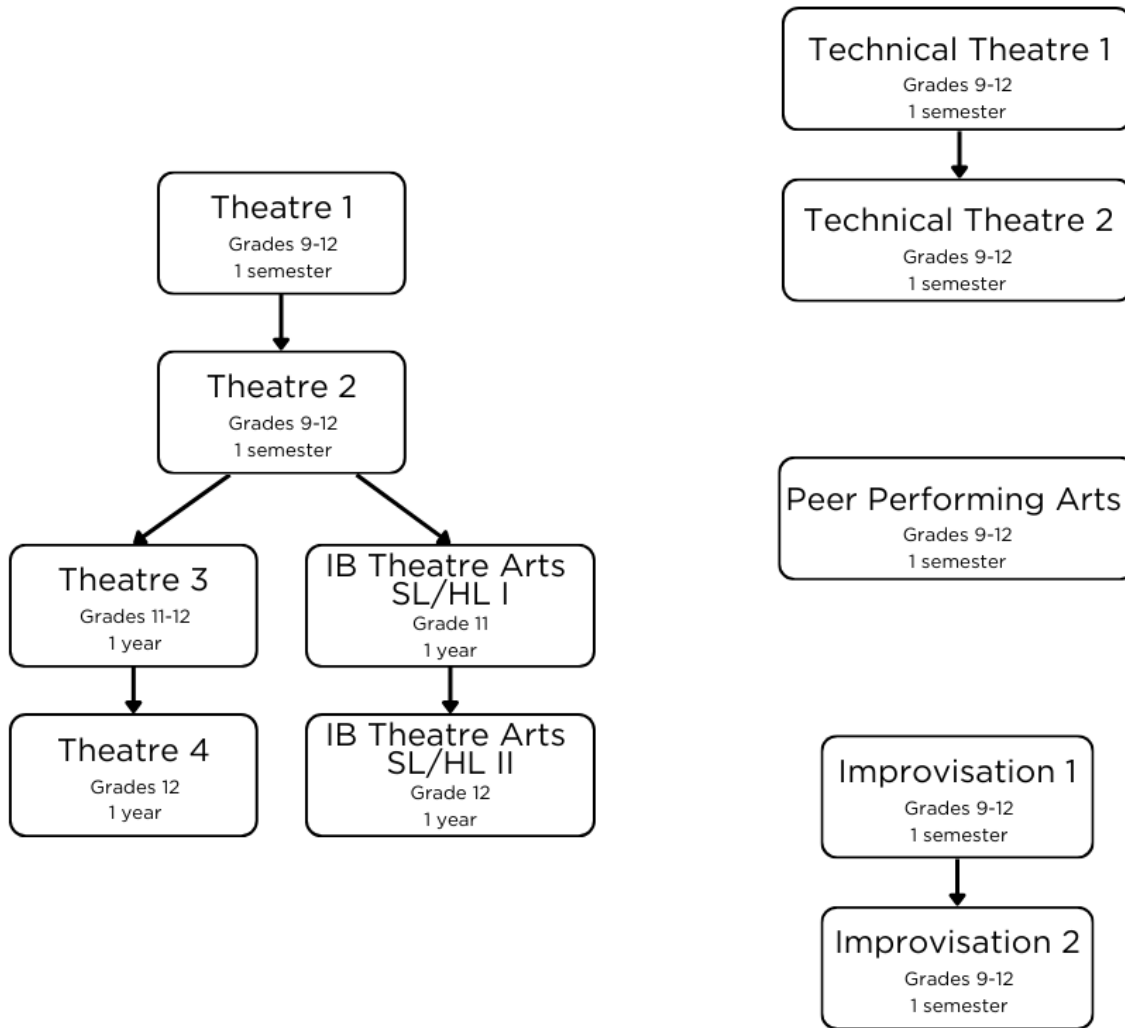
Overview of Theatre

^{repeat} denotes a course that may be repeated for credit

^{weighted} denotes a weighted course

^{NCAA} denotes an NCAA approved course

- Theatre 1 to Theatre 2
- Theatre 2 to Theatre 3 **or** IB Theatre Arts SL/HL I
- Theatre 3 to Theatre 4
- IB Theatre Arts SL/HL I to IB Theatre Arts SL/HL II
- Technical Theatre 1 to Technical Theatre 2
- Peer Performing Arts
- Improvisation 1 to Improvisation 2



Course Descriptions

Theatre 1

Course #056625

Grades 9-12

Prerequisite: None

Length of Course: one semester

Course fee and materials: None

Students will learn and apply fundamentals of theatre performance and production including lexicon/terms, improvisation and pantomime, voice control, character analysis, and stage movement and blocking.

Theatre 2

Course #056630

Grades 9-12

Prerequisite: Theatre 1

Length of Course: one semester

Course fee and materials: None

Students will increase their knowledge and skill in the areas of improvisation, pantomime, stage movement, characterization, and voice control. Students will be introduced to additional topics including stage directions, philosophies of blocking, and production critique.

Theatre 3: Advanced Acting

Course #056635 A/B

Grades 11-12

Prerequisite: Theatre 1 and Theatre 2 or instructor approval; Improv recommended

Length of Course: one year

Course fee and materials: None

Students will refine their skills in the areas of improvisation, pantomime, stage movement, characterization, and voice control as they develop performance techniques.

Theatre 4: Directing

Course #056640 A/B

Grade 12

Prerequisite: Theatre 3 or instructor approval; Improv recommended

Length of Course: one year

Course fee and materials: None

Students will develop techniques of directing including script analysis and editing, auditions and casting, productive rehearsals, and performance.

IB Theatre Arts SL/HL I ^{weighted}

Course #056605 A/B SL

Course #056610 A/B HL

Grade 11

Prerequisite: minimum one semester theater course or production experience

Length of Course: one year
Course fee and materials: None
IB Assessment fee: None

IB Theatre Arts SL I:

This course is designed to meet the standard level requirements of the IB Diploma and District 20 high school diploma. With respect to the IB Diploma, this course fulfills the sixth subject area of study required by the IB Programme. The IB-designed curriculum involves a discipline-based, integrated approach to theatre. Areas of emphasis are theatre culture, practice, theory, and performance. Projects include an oral play analysis, play production, and a dramaturgical research project. The course is recommended for the more serious theatre arts student. For the IB candidate, completion of this course is considered preparation to sit for the standard level exam and serves as a sixth subject.

IB Theatre Arts HL I:

This course is designed to meet the higher-level requirements of the IB diploma and District 20 High School diploma. With respect to the IB Diploma, this course fulfills the sixth subject area of study and higher-level course required by the IB Programme. The IB designed curriculum in this course involves a discipline based, integrated approach to theatre. Areas of studies include theatre culture, practice, theory, and performance. Projects include an oral play analysis, play production, and a dramaturgical research project. The course is recommended for the serious theatre arts student. For the IB candidate, completion of this course is considered preparation to sit for the higher-level exam and serves as a sixth subject.

IB Theatre Arts SL/HL II ^{weighted}

Course #056901 A/B SL II

Course #056611 A/B HL II

Grade 12

Prerequisite: Successful completion of IB Theatre Arts Standard Level I.

Length of Course: one year

Course fee and materials: None

IB Assessment fee: \$129.00

IB Theatre Arts SL II:

This course is the second year of a two-year IB Theatre SL course. It is designed to meet the standard level requirements of the IB Diploma and District 20 high school diploma. The IB-designed curriculum involves a discipline-based, integrated approach to theatre. Areas of emphasis are theatre culture, practice, theory, and performance. Projects include an oral play analysis, play production, and a dramaturgical research project. The course is recommended for the more serious theatre arts student. For the IB candidate, completion of this course is considered preparation to sit for the standard level exam and serves as a sixth subject.

IB Theatre Arts HL II:

This course is the second year, higher level continuance of IB Theatre Arts I. It is designed to meet the requirements of both the IB Diploma and District 20 high school diploma. With respect to the IB Diploma, this course fulfills the sixth subject area of study required by the IB Programme. With respect to the District 20 diploma, this course can serve as an elective or an arts credit and will be accepted as such by most colleges and universities.

The IB designed curriculum in this course involves the continuation of a study of theatre culture, practice, and theory, as well as performance. The Higher-Level student is also expected to complete an independent study research project as well as the play analysis and dramaturgical research paper required in the class. For the IB candidate, completion of this course is considered preparation to sit for the higher-level exam and serves as a sixth subject.

Peer Performing Arts

Course #129020

Grades 9-12

Prerequisite: None

Length of Course: one semester

Course fee and materials: None

This course is designed for students who require individualized instruction in performing arts classes, which could include band, choir, dance, and/or theatre. Students will improve their creative skills through vocal and physical warmups, performance preparation, creative play, and other arts experiences. Students will focus on improving and maintaining arts skills and will develop an awareness for lifelong arts appreciation. Peer Partners will fully participate in all activities with their peers.

Improvisation 1

Course #056920

Grades 9-12

Prerequisite: None

Length of Course: one semester

Course fee and materials: None

Students will be introduced to the fundamentals of improvisation. They will learn basic rules and the essentials of scenic improvisation, while developing listening and communication skills, and the ability to think "on one's feet."

Improvisation 2

Course #056925

Grades 9-12

Prerequisite: Improvisation 1

Length of Course: one semester

Course fee and materials: None

Students will further develop mastery in the fundamentals of improvisation. Students will apply previously developed skills and techniques of improvisation to long form and storytelling. Students will gain additional skills in character development, play building, listening and teamwork.

Technical Theater 1

Course #056615

Grades 9-12

Prerequisite: None

Length of Course: one semester

Course fee and materials: None

Students are introduced to the backstage operations of a theatre and will gain foundational knowledge of the elements and requirements of stage management.

Technical Theater 2

Course #056620

Grades 9-12

Prerequisite: Technical Theatre 1

Length of Course: one semester

Course fee and materials: None

Students will apply techniques and skills learned in previous theatre courses, focusing on set constructions, sound and lighting design, costuming and props, and stage management.

Overview of Vocal Music

^{repeat} denotes a course that may be repeated for credit

^{weighted} denotes a weighted course

^{NCAA} denotes an NCAA approved course

Non-Audition Choirs

- Tenor Bass Choir
- Treble Choir to Women's Choir

Tenor Bass Choir
Thorzmen
Grades 9-12
1 year

Treble Choir
Rain
Grades 9-12
1 year

Course Descriptions

Tenor Bass Choir ^{repeat} (Thorzmen)

Course #124026 A/B

Grades 9-12

Prerequisite: None

Length of Course: one year

Course fee and materials: \$45.00

Students will develop vocal techniques while studying standard musical literature in a variety of popular and traditional genres. Students will develop performance-level skills necessary to participate and perform in a vocal ensemble.

This group performs in school concerts and participates in CHSAA festivals. Participation in this yearlong course will permit a student to audition for upper-level vocal music courses: Concert Choir or Chamber Singers.

Treble Choir ^{repeat} (Rain)

Course #124041 A/B

Grades 9-12

Prerequisite: None

Length of Course: one year

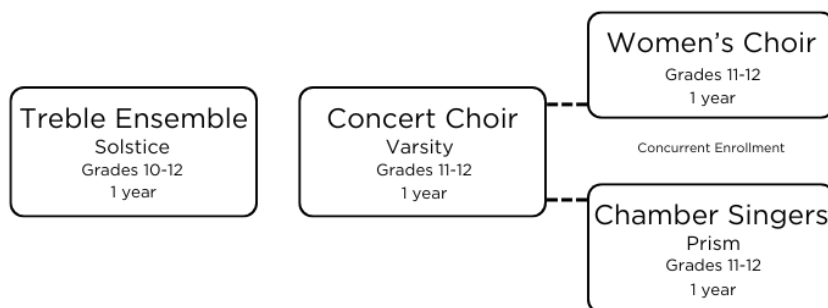
Course fee and materials: \$45.00

Students will develop vocal techniques while studying standard musical literature in a variety of popular and traditional genres. Students will develop performance-level skills necessary to participate and perform in a choir.

This group performs in school concerts and participates in CHSAA festivals. Participation in this yearlong course will permit a student to audition for upper-level vocal music courses: Treble Ensemble, Concert Choir, or Chamber Singers.

Audition Choirs

- Treble Ensemble (Solstice)
- Concert Choir (concurrent enrollment with Women's Choir)
- Concert Choir (concurrent enrollment with Chamber Singers)



Concurrent enrollment is required for Concert Choir, Women's Choir, and Chamber Singers.

Course Descriptions

Treble Ensemble ^{repeat} (Solstice)

Course #124046 A/B

Grades 10-12

Prerequisite: one year of high school choir and an audition

Length of course: one year

Course fee and materials: \$45.00 plus required performance attire (approximately \$100.00)

Students in this advanced choir will focus on standard treble choir literature at an intermediate level. Students will develop vocal techniques while performing a variety of musical styles and literature. NOTE: This is an auditioned ensemble course.

Participation in this year-long course will permit a student to audition for upper-level vocal ensembles: Concert Choir, Women's Choir, and Chamber Singers.

Concert Choir ^{repeat} (Varsity)

Course #124010 A/B

Grades 11-12

Prerequisite: one year of high school choir and an audition

Corequisite: Chamber Singers

Length of Course: one year

Course fee and materials: \$45.00 plus required performance attire (approximately \$100.00)

This course is an audition vocal group that studies and performs all styles of music. Students will learn fundamentals of vocal production and improve musical skills. Students will be expected to participate in public performances, assemblies and school events.

Students may be required to purchase performance attire. Many genres of music—including classical, pop, and jazz—will be a part of this varsity level choir’s repertoire.

Concert Choir is to be taken concurrently with either Women’s Choir or Chamber Singers.

Women’s Choir ^{repeat}

Course #124040 A/B

Grades 11-12

Prerequisite: two years of high school choir and an audition

Length of Course: one year

Course fee and materials: \$45.00 plus required performance attire (approximately \$100.00)

Students will develop vocal techniques while studying standard musical literature. Styles include popular and traditional genres. Students are expected to participate in public performances, school assemblies and events. Students may be required to purchase performance attire.

Women’s Choir is to be taken concurrently with Concert Choir.

Chamber Singers ^{repeat} (Prism)

Course #124005 A/B

Grades 11-12

Prerequisite: two years of high school choir and an audition

Corequisite: Concert Choir

Length of Course: one year

Course fee and materials: \$45.00 plus required performance attire (approximately \$100.00).

The Chamber Singers is a disciplined group that performs music from the Renaissance to challenging contemporary choral works. Dedication and commitment are an important part of this group. Chamber singers perform at school and community events as well as universities and state competitions. Students are asked to put in outside practice time. Students are required to purchase performance attire.

Chamber Singers is to be taken concurrently with either Concert Choir.

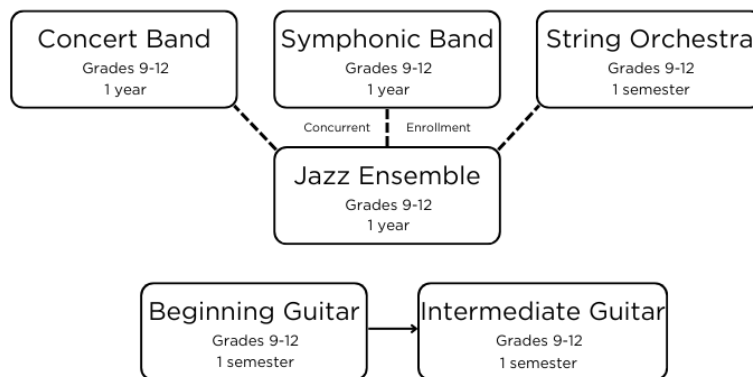
Overview of Instrumental Music

^{repeat} denotes a course that may be repeated for credit

^{weighted} denotes a weighted course

^{NCAA} denotes an NCAA approved course

- Concert Band (concurrent enrollment with Jazz Ensemble)
- Symphonic Band (concurrent enrollment with Jazz Ensemble)
- String Orchestra (concurrent enrollment with Jazz Ensemble)
- Beginning Guitar
- Intermediate Guitar
- Jazz Ensemble (concurrent enrollment with Concert Band, Symphonic Band, or String Orchestra)



Concurrent enrollment is required for Concert Band and Jazz Ensemble, Symphonic Band and Jazz Ensemble, or String Orchestra and Jazz Ensemble.

Course Descriptions

Concert Band ^{repeat}

Course #125015A/B

Grades 9-12

Prerequisite: Previous band experience recommended

Length of Course: one year

Course fee and materials: \$50.00 enrichment fee, \$50.00 school owned instrument rental fee per semester (where applicable), required performance attire (approximately \$80-\$100).

Method Books: *Foundations for Superior Performance* by Williams & King, and *Essential Musicianship for Band Ensemble Concepts* by Green, Benzer, and Bertman.

Students will practice and perform a variety of music to improve their musical knowledge and performance skills. Performances and some practice outside the regular school day are required. Students will be expected to participate in public performances, school assemblies, and events.

Students **must** take Concert Band A before taking Concert Band B, and students must be scheduled for both Concert Band A & B during the same period in both Semester 1 and Semester 2.

Symphonic Band ^{repeat}

Course #125055 A/B

Grades 9-12

Prerequisite: Audition

Length of Course: one year

Course fee and materials: \$50.00 enrichment fee, \$50.00 school owned instrument rental fee (where applicable), tuxedo or gown (purchased through DCC).

Method Books: *Foundations for Superior Performance* by Williams & King, and *Essential Musicianship* for Band Ensemble Concepts by Green, Benzer, and Bertman.

Students will practice and perform a variety of music to improve their musical knowledge and performance skills. Performances and some practice outside of the regular school day are required. Students will be expected to participate in public performances, school assemblies, and events.

Students **must** take Symphonic Band A before taking Symphonic Band B, and students must be scheduled for both Symphonic Band A & B during the same period in both Semester 1 and Semester 2.

String Orchestra ^{repeat}

Course #125050 A/B

Grades 9-12

Prerequisite: Previous orchestra experience recommended

Length of Course: one year

Course fee and materials: \$50.00 enrichment fee, \$50.00 school owned instrument rental fee per semester (where applicable), required performance attire (approximately \$80-\$100),

Method Book: *Expressive Techniques for Orchestra* by Brungard, Alexander, Dackow, and Anderson, and *Bach and Before for Strings* by Newell.

Students will practice and perform a variety of music to improve their musical knowledge and performance skills. Performances and some practice outside the regular school day are required. Students will be expected to participate in public performances, school assemblies, and events.

Students **must** take String Orchestra A before taking String Orchestra B, and students must be scheduled for both String Orchestra A & B during the same period in both Semester 1 and Semester 2.

Beginning Guitar

Course #125000

Grades 9-12

Prerequisite: None

Length of Course: one semester

Course fee and materials: Jerry Snyder's Guitar School Method Book 1 (\$12.00), notebook,

manuscript papers, and acoustic guitar; \$50.00 school owned instrument rental fee per semester (where applicable)

This course is designed for beginning guitar students. The course will teach the fundamentals of music reading and beginning guitar techniques. Students will improve their understanding of music as they study a variety of musical styles and music from different cultures. Students must purchase the class text and have their own acoustic guitar.

Intermediate Guitar

Course #125005

Grades 9-12

Prerequisite: Beginning Guitar

Length of Course: one semester

Course fee and materials: Jerry Snyder's Guitar School Method Book 2 (\$12.00), notebook, manuscript papers, and acoustic guitar; \$50.00 school owned instrument rental fee per semester (where applicable)

This course builds on the fundamentals of music reading and beginning guitar techniques learned in Beginning Guitar. Students will continue to improve their musical understanding and playing skills as they study music from a variety of styles and cultures. Students must purchase their own copy of the class text and have an acoustic guitar.

Jazz Ensemble ^{repeat}

Course #125035 A/B

Grades 9-12

Prerequisite: Must be concurrently enrolled in Concert Band, Symphonic Band or String Orchestra

Length of Course: one year; Zero Hour **only**

Course fee and materials: \$50.00 enrichment fee; \$50.00 school owned instrument rental fee per semester (where applicable)

Jazz band students learn and perform the music styles associated with jazz and improvisation. Instrumentation is that of the standard jazz big band. Performance and sectional rehearsals scheduled outside the regular school day are required. Students will be expected to participate in public performances, assemblies, and school events.

Instrumentation is that of the standard jazz big band – saxophone, trumpet, trombone, guitar, piano, bass, drum set.

Students **must** take Jazz Ensemble A before taking Jazz Ensemble B, and students must be scheduled for both Jazz Ensemble A & B during the same period in both Semester 1 and Semester 2.

Physical Education

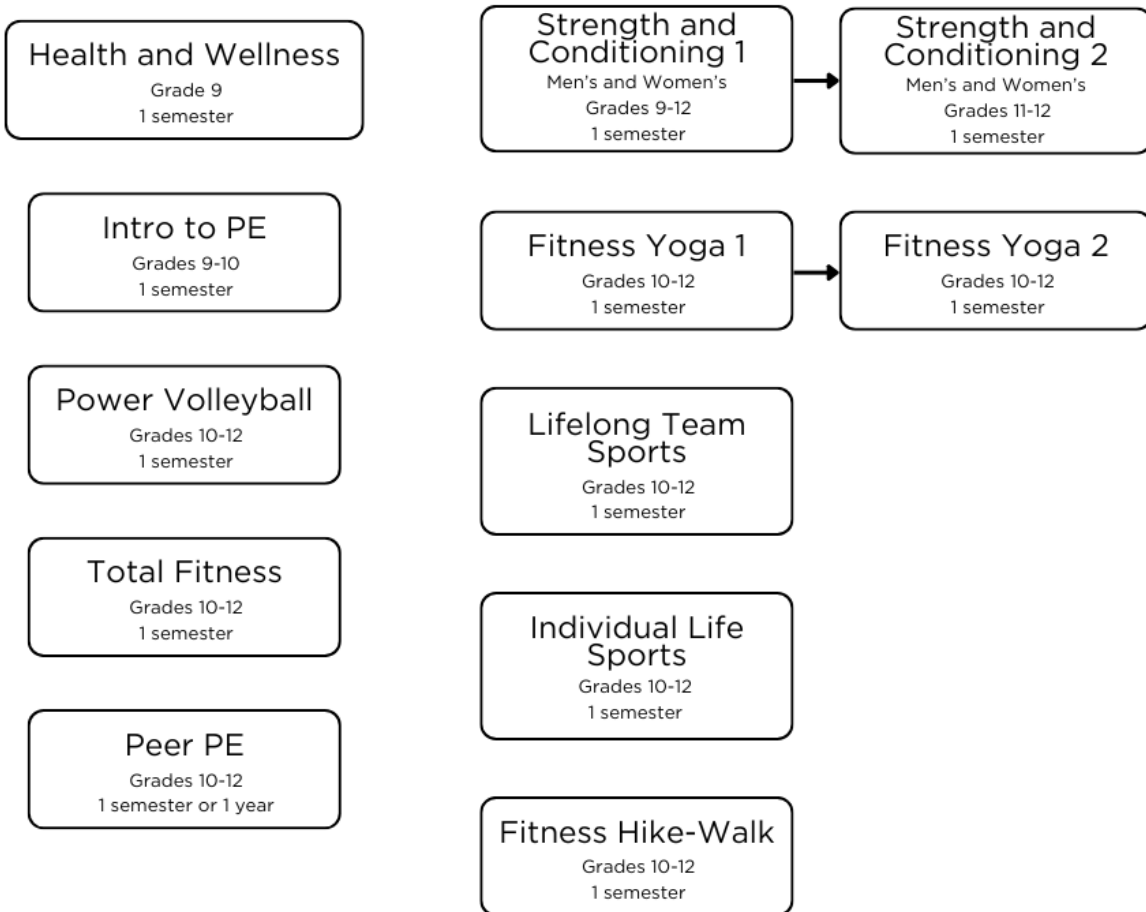
^{repeat} denotes a course that may be repeated for credit

^{weighted} denotes a weighted course

^{NCAA} denotes an NCAA approved course

Overview of Physical Education Courses

- Health and Wellness
- Intro to PE
- Power Volleyball
- Total Fitness
- Peer PE
- Strength and Conditioning 1 to Strength and Conditioning 2
- Fitness Yoga 1 to Fitness Yoga 2
- Lifelong Team Sports
- Individual Team Sports
- Fitness Hike-Walk



Course Descriptions

Introduction to Physical Education

Course #080000

Grades 9-10

Prerequisite: None

Length of Course: one semester

Course fee and materials: PE Uniform (\$10.00)

This is a recommended freshman class in which the student will assess personal fitness status in terms of cardiovascular endurance, muscular strength and endurance, and flexibility. Students will be introduced to various team activities on the introductory level. May not repeat this class.

Health and Wellness

Course #081000

Grades 9-12

Prerequisite: None

Length of Course: one semester

Course fee and materials: None

Health and Wellness or Modified Health and Wellness is a graduation requirement for Academy District 20 and is to be taken during the freshman year. Students will be introduced to the social, physical, mental, and emotional aspects of healthy lifestyles. This course includes human sexuality.

Peer PE ^{repeat}

Course #083005

Grades 10-12

Prerequisite: None

Length of Course: one semester or one year

Course fee and materials: None

This course is designed for those students requiring individualized instruction in Physical Education. Students in this course will participate in activities that incorporate team and individual sport skills, strategies in teamwork and problem solving, and provide training in skills needed for leisure activities. In addition, students will be provided with the opportunity to improve and maintain physical fitness as well as develop an appreciation for lifelong physical fitness.

Peer Partners will fully participate in all activities with their peer students.

Fitness Yoga 1 ^{repeat}

Course #083015

Grades 10-12

Prerequisite: Introduction to Physical Education recommended

Length of Course: one semester

Course fee and materials: PE uniform (\$10.00), yoga mat, tennis shoes

This class is for athletes as well as non-athletes. It will include the following activities: yoga, Pilates, walking, low impact aerobics, and relaxation.

Fitness Yoga 2 repeat

Course #083016

Grades 10-12

Prerequisite: Fitness Yoga 1

Length of Course: one semester

Course fee and materials: PE Uniform (\$10.00), Yoga mat, tennis shoes.

This is a continuing course for those students who have already successfully completed Fitness Yoga 1. In this course, students will continue their yoga practice as an extension from the knowledge base gained through the curriculum of Fitness Yoga 1. The course will focus on the development of transitions, balance, core strength, use of mantra, and use of meditation practices to enhance one's yoga practice.

Students will also create and lead a yoga practice with the class.

Total Fitness repeat

Course #083205

Grades 10-12

Prerequisite: Introduction to Physical Education recommended

Length of Course: one semester

Course fee and materials: \$5.00 plus PE uniform (\$10.00)

This class will incorporate various types of fitness activities aimed at improving cardiovascular fitness, flexibility, and strength. Activities may include floor aerobics, kickboxing, Tae-Bo, running, hiking, walking, interval training, resistance strength training, Pilates, yoga, slide training, fitball, and biking. This course is for students who just want to get fit. The emphasis will be on total body fitness to help students build strength, cardiovascular and self-esteem utilizing the weight room and aerobics room or other facilities that will improve the total health of the students.

Power Volleyball repeat

Course #083410

Grades: 10-12

Prerequisite: Intro to Physical Education recommended

Length of Course: one semester

Course fee and materials: PE uniform (\$10.00)

This course is designed for the student with strong basic volleyball skills. The course concentrates on competitive skills, techniques, and strategies. The course will include indoor and outdoor play with various offensive and defensive systems.

Individual Life Sports repeat

Course #083500

Grades 10-12

Prerequisite: Introduction to Physical Education recommended

Length of Course: one semester

Course fee and materials: PE uniform (\$10.00)

This class places emphasis on leisure time activities such as golf, archery, tennis, racquet sports, badminton, target sports, yard games, and personal fitness. Fees may be charged for optional field trips. Conditioning and fitness through various activities will be required.

Lifelong Team Sports 1 ^{repeat}

Course #083800

Grades 10-12

Prerequisite: Introduction to Physical Education recommended

Length of Course: one semester

Course fee and materials: PE uniform (\$10.00)

The learner will demonstrate the fundamentals and basic skills in many of the following recreational activities: basketball, flag football, floor hockey, soccer, softball, team handball and volleyball. The learner will participate cooperatively and ethically in competitive physical activities. Conditioning and fitness through various activities will be required.

Fitness Hike-Walk ^{repeat}

Course #084410

Grades 10-12

Prerequisite: Introduction to Physical Education recommended

Length of Course: 1 semester

Course fee and materials: PE uniform (\$10.00)

This course will develop students' aerobic fitness through analysis and practice of walking and hiking at the appropriate intensity and duration. Pre- and post-course fitness levels will be assessed through heart-rate levels. Self-monitoring of the appropriate individualized intensity, frequency and duration of walking will be stressed utilizing a training journal in conjunction with class participation.

Emphasis will be placed on stretching, conditioning exercises, proper clothing, injury prevention, and proper hiking etiquette. Conditioning and fitness through various activities will be required.

Men's Strength and Conditioning I ^{repeat}

Course #083236 (Fall)

Course #083237 (Spring)

Grades 9-12

Prerequisite: Introduction to Physical Education recommended; incoming 9th grade students must have completed summer Strength and Conditioning program

Length of Course: one semester

Course fee and materials: \$5.00, PE uniform (\$10.00)

This class will focus on developing the basic physical attributes of athleticism with the goal of improving athletic performance, reducing the risk of sports related injuries, and gaining an appreciation for lifelong fitness. The class will emphasize improving total body strength and power, speed, agility, flexibility, and a general physical preparedness that will serve a wide variety of sports. Students will also learn basic weight room safety and be introduced to foundational training principles that will help them better understand proper program design. The class will utilize a variety of training methodologies including basic free weights exercises, calisthenics, plyometrics, and teaching proper running mechanics. This

class is only for D20 athletes.

Women's Strength and Conditioning I repeat

Course #083251 (Fall)

Course #083252 (Spring)

Grade 9-12

Prerequisite: Introduction to Physical Education recommended; incoming 9th grade students must have completed summer Strength and Conditioning program

Length of Course: one semester

Course fee and materials: \$5.00, PE uniform (\$10.00)

This class will focus on developing the basic physical attributes of athleticism with the goal of improving athletic performance, reducing the risk of sport related injuries, and gaining an appreciation for lifelong fitness. The class will emphasize improving total body strength and power, speed, agility, flexibility, and a general physical preparedness that will serve a wide variety of sports. Students will also learn basic weight room safety and be introduced to foundational training principles that will help them better understand proper program design. The class will utilize a variety of training methodologies including basic free weights exercises, calisthenics, plyometrics, and teaching proper running mechanics. This class is only for D20 athletes.

Men's Strength and Conditioning II repeat

Course #083241 (Fall)

Course #083242 (Spring)

Grade 10-12

Prerequisite: a B or higher in Men's Strength & Conditioning I

Length of Course: one semester

Course fee and materials: \$5.00, PE uniform (\$10.00)

This class will focus on further developing the physical attributes of athleticism with the goal of improving athletic performance, reducing the risk of sport related injuries, and gaining an understanding of how this will positively impact lifelong fitness. The class will emphasize improving total body strength and power, speed, agility, flexibility, and a general physical preparedness that will serve a wide variety of sports. Students will also begin to explore more advanced training principles and the science behind proper program design. The class will utilize a variety of training methodologies in progression of complexity from those in Strength & Conditioning I. This class is only for D20 athletes. May repeat for PE credit.

Women's Strength and Conditioning II repeat

Course #083256 (Fall)

Course #083257 (Spring)

Grade 10-12

Prerequisite: a B or higher Women's Strength & Conditioning I

Length of Course: one semester

Course fee and materials: \$5.00, PE uniform (\$10.00)

This class will focus on further developing the physical attributes of athleticism with the goal of improving athletic performance, reducing the risk of sport related injuries, and gaining an understanding of how this will positively impact lifelong fitness. The class will

emphasize improving total body strength and power, speed, agility, flexibility, and a general physical preparedness that will serve a wide variety of sports. Students will also begin to explore more advanced training principles and the science behind proper program design. The class will utilize a variety of training methodologies in progression of complexity from those in Strength & Conditioning I. This class is only for D20 athletes. May repeat for PE credit.

Project Lead the Way (PLTW) Pathways

Overview of PLTW Honors Biomedical Sciences

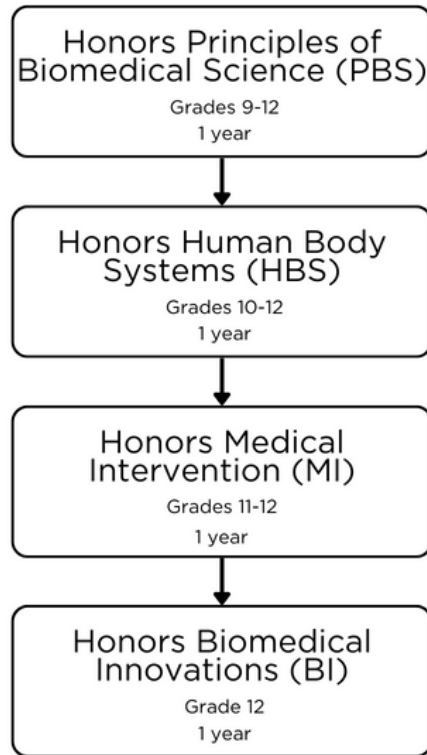
^{repeat} denotes a course that may be repeated for credit

^{weighted} denotes a weighted course

^{NCAA} denotes an NCAA approved course

PLTW Honors Biomedical Sciences Courses (Offered as a CP Pathway)

- Honors Principles of Biomedical Science (PBS) to Honors Human Body Systems (HBS)
- Honors Human Body Systems (HBS) to Honors Medical Intervention (MI)
- Honors Medical Intervention (MI) to Honors Biomedical Innovations (BI)



PLTW Honors Biomedical Sciences Course Descriptions

Honors Principles of Biomedical Science (PBS) weighted, NCAA

Course #139050 A/B

Grades 9-12

Pre-/Co-requisite: MYP Biology

Length of Course: one year

Course fee and materials: \$25.00

Students investigate various health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. They determine the factors that led to the death of a fictional person and investigate lifestyle choices and medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, medicine, and research processes. This course provides an overview of all the courses in the Biomedical Sciences program and lays the scientific foundation for subsequent courses. This course has a lab component. This course is part of the national Project Lead the Way (PLTW) approved program course sequence.

Honors Human Body Systems (HBS) weighted, NCAA

Course #132070 A/B

Grades 10-12

Prerequisite: Principles of Biomedical Science

Length of Course: one year

Course fee and materials: \$25.00

Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration. Exploring science in action, students build organs and tissues on a skeletal manikin, work through interesting real-world cases and often play the roles of biomedical professionals to solve medical mysteries. This course is part of the national Project Lead the Way (PLTW) approved program course sequence.

Honors Medical Interventions (MI) weighted, NCAA

Course #139055 A/B

Grades 11-12

Prerequisite: Human Body Systems

Length of Course: one year

Course fee and materials: \$25.00

Students investigate a variety of interventions involved in the prevention, diagnosis, and treatment of disease as they follow the life of a fictitious family. The course is a "How-To" manual for maintaining overall health and homeostasis in the body. Students explore how to prevent and fight infection; screen and evaluate the code in human DNA; prevent, diagnose, and treat cancer; and prevail when the organs of the body begin to fail. Through these scenarios, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. This course is part of the national Project Lead the Way (PLTW) approved program course sequence.

Honors Biomedical Innovations (BI) ^{weighted, NCAA}

Course #139060 A/B

Grades 12

Prerequisite: Medical Interventions

Length of Course: one year

Course fee and materials: \$25.00

Students design innovative solutions for the health challenges of the 21st century. They work through progressively challenging open-ended problems, addressing topics such as clinical medicine, physiology, biomedical engineering, and public health. They have the opportunity to work on an independent project with a mentor or advisor from a university, hospital, research institution, or the biomedical industry. Throughout the course, students are expected to present their work to an audience of STEM professionals. This course is part of the national Project Lead the Way (PLTW) approved program course sequence.

Overview of PLTW Engineering Technology

^{repeat} denotes a course that may be repeated for credit

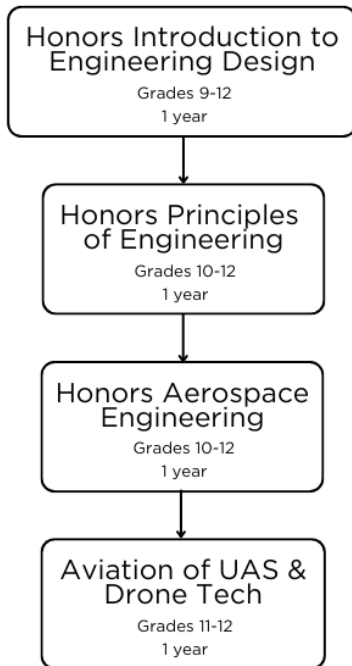
^{weighted} denotes a weighted course

^{NCAA} denotes an NCAA approved course

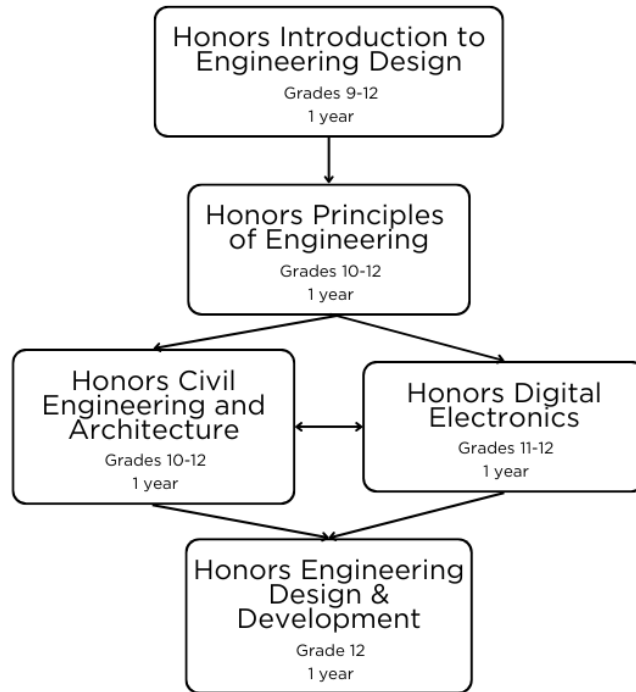
PLTW Engineering Courses (Offered as a CP Pathway)

- **Aero Pathway:** Honors Introduction to Engineering Design to Honors Principles of Engineering to Honors Aerospace Engineering to Aviation of UAS & Drone Tech
- **General Pathway:** Honors Introduction to Engineering Design to Honors Principles of Engineering to Honors Civil Engineering and Architecture **or** Honors Digital Electronics to Honors Engineering Design & Development

Aero Pathway



General Pathway



PLTW Honors Engineering Course Descriptions

Honors Introduction to Engineering Design ^{weighted}

Course #103036 A/B
Grades 9-12 (suggested for Freshmen)
Prerequisite: None
Length of Course: one year
Course fee and materials: \$20.00

This course teaches problem-solving skills using a design development process. Models of product solutions are created, analyzed, and communicated using a 3D, solid-modeling Computer-Aided Design (CAD) System. This modern computer-based process replaces traditional drafting methods. This course is part of the national Project Lead the Way (PLTW) approved program course sequence.

This course may be taken for college credit through UCCS/Extended Studies; it may also be possible through PPSC – check with teacher for most recent updates.

Honors Principles of Engineering ^{weighted}

Course #103051 A/B
Grades 10-12
Prerequisite: None
Length of Course: one year
Course fee and materials: \$20.00

Principles of Engineering is a broad-based survey course designed to help students understand the field of engineering and engineering technology and its career possibilities. Students will develop engineering problem solving skills that are involved in post-secondary education programs and engineering careers. In this course students will explore how modern engineers are helping improve the worlds through diverse engineering fields such as product design, robotics, mechanical design, infrastructure, and sustainability. Students learn the principles of engineering as well as the cutting-edge tools to robotics, programming, and prototyping that engineers are using to solve problems today and for the future. This course is part of the national Project Lead the Way (PLTW) approved program course sequence.

This course may be taken for college credit through UCCS.

Honors Aerospace Engineering ^{weighted}

Course #108405 A/B
Grades 10-12
Prerequisite: Introduction to Engineering Design and Principles of Engineering or concurrent enrollment in Principles of Engineering
Length of Course: one year
Course fee and materials: \$20.00

Aerospace Engineering explores the evolution of flight, navigation and control, flight fundamentals, aerospace materials, propulsion, space travel, and orbital mechanics. In addition, this course presents alternative applications for aerospace engineering concepts. Students analyze, design, and build aerospace systems. They apply knowledge gained

throughout the course in a final presentation about the future of the industry and their professional goals. This course is part of the national Project Lead the Way (PLTW) approved program course sequence.

This course may be taken for college credit through UCCS.

Aviation of UAS & Drone Tech

Course #139021 A/B

Grades 10-12

Prerequisite: Aerospace Engineering or concurrent enrollment in Aerospace Engineering

Length of Course: one year

Course fee and materials: \$20.00

This course will cover advanced flight topics from area Aviation experts. Students will be exposed to new concepts in UAS and drone technology as well as expanding topics covered in Principles of Flight to an advanced level specific to drone technology. Students will be preparing to pass the Federal Aviation Administration (FAA) private pilot written exam. This course is part of the Career and Technical Education Secondary Pathways Program.

Honors Digital Electronics ^{weighted}

Course #104009 A/B

Grades 11-12

Prerequisite: Introduction to Engineering Design recommended

Length of Course: one year

Course fee and materials: \$20.00

The use of smart circuits (digital) is present in all aspects of our lives. This makes digital electronics an essential course of study for a student exploring a career in engineering or engineering technology. Students will use industry-standard circuit design software to test and analyze simple and complex digital circuitry. Students will also have hands-on experiences building electronic projects, such as burglar alarms. This course is part of the national Project Lead the Way (PLTW) approved program course sequence.

This course may be taken for college credit through UCCS.

Honors Civil Engineering & Architecture ^{weighted}

Course #103016 A/B

Grades 10-12

Prerequisite: None

Length of Course: one year

Course fee and materials: \$20.00

This course is a study of design and drafting related to residential and commercial construction. Students will use hands-on activities involving both computer design software (Revit) and construction to cover architectural styles, land development and plot design, floor plans (complete set), elevation drawings, landscaping design, basic building construction, energy efficiency, environmental impact, and cost-effective design practices. This course is part of the national Project Lead the Way (PLTW) approved program course sequence.

This course may be taken for college credit through UCCS.

Honors Engineering Design & Development ^{weighted}

Course #103041 A/B

Grade 12

Prerequisite: Intro to Engineering Design and another engineering class

Length of Course: one year

Course fee and materials: \$20.00

This is the Pathways capstone course, designed for expansion and in-depth study in engineering. It is an engineering project course in which students work in teams to research, design and construct a solution to an open-ended engineering problem. Students apply principles developed in preceding courses. Students must present progress reports, submit a final written report, and defend their solutions to a panel of outside reviewers at the end of the school year. This course is part of the national Project Lead the Way (PLTW) approved program course sequence.

This course may be taken for college credit through UCCS.

Overview of PLTW Computer Science

^{repeat} denotes a course that may be repeated for credit

^{weighted} denotes a weighted course

^{NCAA} denotes an NCAA approved course

PLTW Honors Computer Sciences Courses

- Honors Computer Science Essentials to Honors Computer Science Principles
- Honors Computer Science Principles to Honors Cybersecurity



PLTW Honors Computer Science Course Descriptions

Honors Computer Science Essentials ^{weighted}

Course #160025 A/B

Grades 9-12

Prerequisite: None

Length of Course: one year

Course fee and materials: None

Computer Science Essentials exposes students to a diverse set of computational thinking concepts, fundamentals, and tools, allowing them to gain understanding and build confidence. Students use visual, block-based programming and seamlessly transition to text-based programming with languages to create apps and develop websites and learn how to make computers work together to put their design into practice. They apply computational thinking practices, build their vocabulary, and collaborate just as computing professionals do to create products that address topics and problems important to them. This course is part of the national Project Lead the Way (PLTW) approved program course sequence.

Honors Computer Science Principles ^{weighted}

Course #160020 A/B

Grades 10-12

NOT OFFERED THIS YEAR

Prerequisite: Honors Computer Science Essentials

Length of Course: one year

Course fee and materials: None

In Computer Science Principles, students will develop the in-demand computer science skills critical to thrive in any of today's and tomorrow's careers. The course promotes computational thinking and coding fundamentals and introduces computational tools that foster creativity. Students will build awareness of the tremendous demand for computer scientists and those who have computational thinking skills, and will become engaged to consider issues raised by the impact of computing on society. In each unit students will also focus on one of more computer science specific career paths. Students will have a broad exposure to the many aspects of computer science while engaging in creativity, socially responsible choices, and ethical behavior. Students will be inspired to think algorithmically and computationally. This course is part of the national Project Lead the Way (PLTW) approved program course sequence.

Honors Cybersecurity ^{weighted}

Course #169065 A/B

Grades 11-12

Prerequisite: Honors Computer Science Principles

Length of Course: one year

Course fee and materials: None

The design of the course exposes high students to the ever growing and far reaching field of cybersecurity. Students accomplish this through problem-based learning, where students role-play as cybersecurity experts and train as cybersecurity experts do. PLTW Cybersecurity gives students a broad exposure to the many aspects of digital and information security, while encouraging socially responsible choices and ethical behavior. It inspires algorithmic thinking, computational thinking, and especially "outside the box" thinking. Students explore the many educational and career paths available to cybersecurity experts, as well as other careers that comprise the field of information security. This course is part of the national Project Lead the Way (PLTW) approved program course sequence.



Science

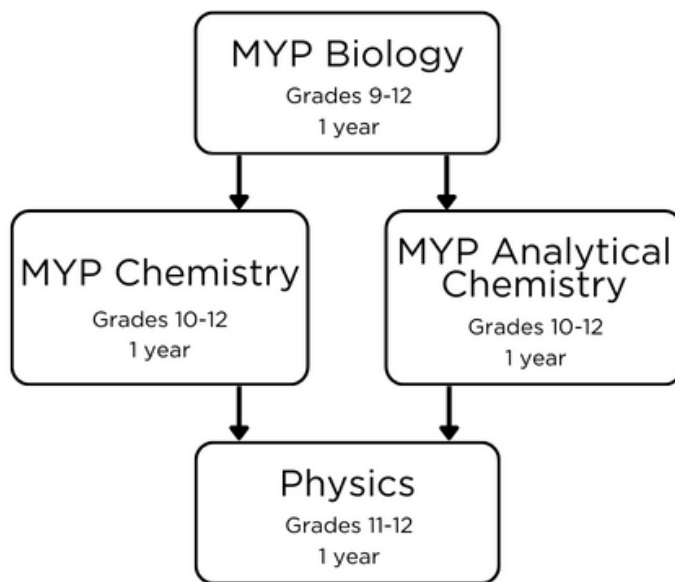
^{repeat} denotes a course that may be repeated for credit

^{weighted} denotes a weighted course

^{NCAA} denotes an NCAA approved course

Overview of Traditional Science Courses

- MYP Biology to MYP Chemistry or MYP Analytical Chemistry
- MYP Chemistry to Physics
- MYP Analytical Chemistry to Physics



Traditional Science Course Descriptions

MYP Biology ^{NCAA}

Course #132030 A/B

Grades 9-12

Prerequisite: None

Length of Course: one year

Course fee and materials: \$15.00

This course will be an overview of biology, the study of life. The fundamentals of biology will be explored as students gain foundational knowledge and skills to be successful in standard or higher-level biology. This course will use the MYP philosophy and incorporate laboratory investigations.

MYP Chemistry ^{NCAA}

Course #133135 A/B

Grades 10-12

Prerequisite: one year of high school science and Algebra 1

Length of Course: one year

Course fee and materials: \$15.00.

This course will be an overview of chemistry with a concentration on formulas, equations, types of reactions, simple stoichiometry, atomic theory, and the periodic table. This course will use the MYP philosophy and incorporate laboratory investigations to prepare students for success in the DP science sequence.

MYP Analytical Chemistry ^{NCAA}

Course #133122 A/B

Grades 10-12

Prerequisite: MYP Biology or Algebra 1 with C or better

Co-requisite Recommended: Algebra 2

Length of Course: one year

Course fee and materials: \$15.00

Analytical Chemistry is a problem-solving and lab-oriented class that prepares students for the objectives of a college-level chemistry course. This course expands and amplifies concepts learned in Principles of Chemistry and covers additional topics and topics relevant to our technological society. Lab skills, inquiry activities and critical thinking techniques will be emphasized in the pursuit of these topics. Topics covered will include gas laws, thermodynamics, kinetics, equilibrium, and acid base reactions.

Physics ^{NCAA}

Course #133200 A/B

Grades 11-12

Prerequisite: 2 years of high school science

Co-requisite: Algebra 2

Length of Course: one year

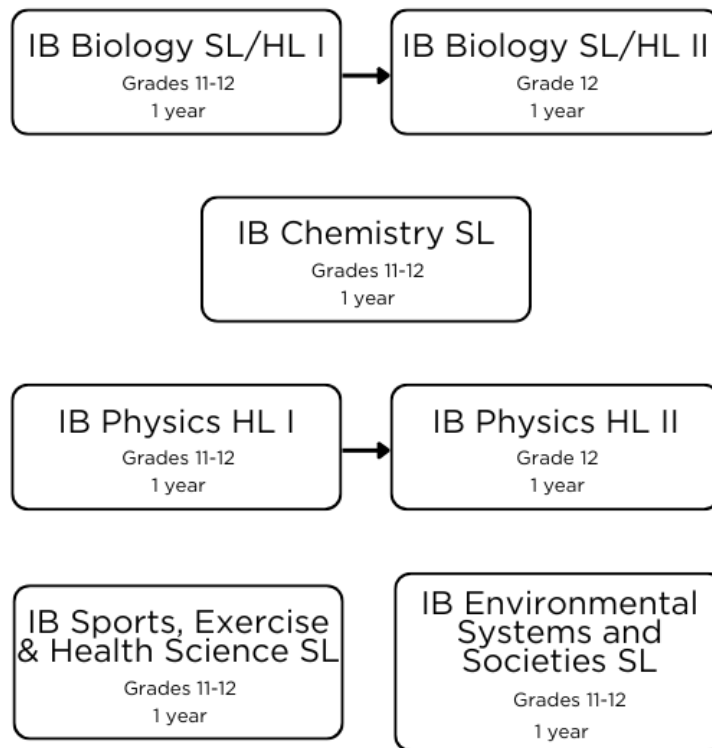
Course fees and materials: \$15.00

Physics is a lab-based course that explores the science of matter and energy and the

interactions between the two. Topics include kinematics, Newton's three laws of motion, momentum, energy, the principles of waves, light, magnetism, electricity, optics, and celestial mechanics. The ability to use mathematics to solve experimental problems is emphasized.

Overview of Upperclassmen Science Courses

- IB Biology SL/HL 1 to IB Biology SL/HL 2
- IB Chemistry SL
- IB Physics HL 1 to IB Physics HL 2
- IB Environmental Systems and Societies SL
- IB Sports, Exercise, and Health Science SL



Upperclassmen Science Course Descriptions

IB Biology SL I/ HL I weighted, NCAA

Course #132035 A/B SL

Course #132901 A/B HL

Grades 11-12

Prerequisite: Biology

Length of Course: one year

Course fee: \$20.00

IB Assessment fee: \$129.00 (SL only)

IB Biology SL I:

This class will cover the following topics: ecology, evolution theory, investigation methods, cell botany, cell metabolism, biochemistry, genetics, biotechnology, human physiology. This class will teach students advanced laboratory techniques and use various advanced STEM equipment in biology that will allow them to successfully complete The Interdisciplinary Science Group 4 Research Project (interaction between physics, chemistry, and biology students to solve a local problem), and to present topics for the extended essay. This course will prepare students for the IB Biology Standard Level assessment given in May. Students take the Standard Level assessment or continue to IB Biology Higher Level.

IB Biology HL I:

This is the first year of a two-year Biology HL curriculum. The course will enable students to apply and use a body of knowledge, methods and techniques that characterize science and technology. The course will cover the following topics: ecology, evolution theory, biology investigation methods, cells, cell metabolism, biochemistry, genetics, biotechnology, human physiology, neurobiology, and animal behavior. This class will also help develop experimental and investigative laboratory techniques in biology that will allow them to successfully complete the Interdisciplinary Science Group 4 Research Project (interaction between physics, chemistry, and biology students to solve a local problem), and to present topics for the extended essay.

IB Biology HL II weighted, NCAA

Course #132902 A/B

Grade 12

Prerequisite: IB Biology HL I

Length of Course: one year

Course fee: \$20.00

IB Assessment fee: \$129.00

This is the second year of a two-year curriculum in which students are prepared to take exams at the higher level (HL). The course will enable students to apply and use a body of knowledge, methods and techniques that characterize science and technology. The course will build on the topics covered in IB Biology HL I, including, but not limited to: ecology, botany, advanced human physiology, and advanced genetics. This class will continue to develop experimental and investigative laboratory techniques as well as provide opportunities for scientific study and creativity within a global context. Students who complete this course will be prepared to take the Biology HL exam in May.

IB Chemistry SL weighted, NCAA

Course #133140 A/B SL

Grades 11-12

Prerequisite: MYP Chemistry

Co-requisite: Algebra 2

Length of Course: one year

Course fee and materials: \$20.00

IB Assessment fee: \$129.00

Students taking the Standard Level Chemistry course will spend approximately 80 hours studying a subject specific core consisting of the following topics: stoichiometry, atomic theory, periodicity, bonding, states of matter, energetics, kinetics, equilibrium, acids and bases, oxidation and reduction, and organic chemistry. Students will spend an additional 60 hours learning three topics. All areas will include relevant laboratory investigations, and all students will be required to keep and submit a cumulative laboratory notebook. In addition, students are required to participate in and complete the Interdisciplinary Science Group 4 Research Project.

IB Physics HL I weighted, NCAA

Course #133220 A/B HL I

Grades 11-12

Prerequisite: Algebra 2

Length of Course: one year

Course fees and materials: \$15.00

IB Assessment fee: none

This is the first year of a two-year IB Physics HL course. Six broad areas make up the core for Higher Level Physics: all facets of classical mechanics, thermodynamics, wave theory, nuclear physics, electromagnetic theory (including elementary circuit analysis), energy and power, and the science behind the greenhouse effect and our climate are covered. Other topics discussed and investigated include the history of physics, proper scientific measurement, experimental uncertainty, and geometric optics. All areas will include relevant laboratory investigations for each topic, and all students will be expected to keep a cumulative lab notebook. Furthermore, all IB Physics Year 1 students will be expected to be involved with the Group 4 Interdisciplinary Science Project. Some labs may be held during non-school hours.

IB Physics HL II weighted, NCAA

Course #133225 A/B HL II

Grade 12

Prerequisite: IB Physics HL I

Length of Course: one year

Course fees and material: \$15.00

IB Assessment fee: \$129.00

This is the second year of the HL Physics course. It covers the same topics as in the first year of physics and goes much deeper into all the core areas. In the second year of the course students will expand upon their introductory treatment of the core content including mechanics, thermal physics, waves, nuclear physics, climate studies, electromagnetic theory, and circuitry. In addition, students will study the required Options

of the course. The options may include site and wave phenomena, quantum and nuclear physics, digital technology, relativity and particle physics, astrophysics, radio communication or electromagnetic waves. Furthermore, all IB Physics students will be expected to be involved with the Group 4 Interdisciplinary Science Project. Some labs may be held during non-school hours. Approximately 240 instructional hours are planned for IB Physics HL I & II.

IB Sports, Exercise and Health Science SL weighted, NCAA

Course #132091

Grades 11-12

Prerequisite: Biology and concurrent Algebra 2

Length of course: one year

Course fee and materials: \$30.00

IB Assessment fee: \$129.00

IB Sports, Exercise and Health Science SL builds upon students' learning of anatomy and physiology, biomechanics, psychology, and nutrition as related to sports, exercise, and health.

IB Environmental Systems and Societies SL weighted, NCAA

Course #132416 A/B

Grades 11-12

Prerequisite: two years of high school science and be in Geometry or higher

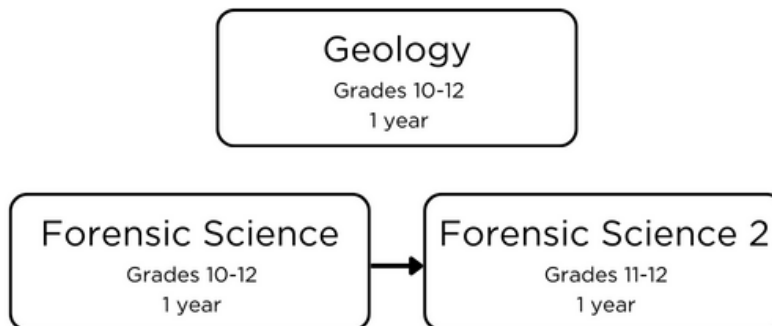
Length of Course: one year

Course fee and materials: \$15.00

IB Environmental Systems and Societies is designed to combine the techniques and knowledge associated with the IB experimental sciences with the social sciences. Students will gain perspective of the interrelationships between environmental systems and societies; one that enables them to adopt an informed personal response to the wide range of pressing environmental issues that they will inevitably come to face. Students' attention will be constantly drawn to their own relationship with their environment and the significance of choices and decisions that they make in their own lives. Students will develop a sound understanding of the interrelationships between environmental systems and societies, rather than a purely journalistic appreciation of environmental issues. Students will evaluate scientific, ethical, and socio-political aspects of issues. This course has a lab component.

Overview of Elective Science Courses

- Geology
- Forensic Science to Forensic Science 2



Course Descriptions

Geology ^{NCAA}

Course #134200 A/B

Grades 10-12

Prerequisite: one year of high school science

Length of Course: one year

Course fee and materials: \$10.00 (\$5 per semester)

Geology is the study of the dynamics of our planet and the physical processes that occur on it. Topics covered include mineralogy, earth structure and composition, plate tectonics and geological time, geologic hazards, environmental problems, and societal issues we face by living on earth. Emphasis is placed on problem solving and critical thinking skills. Projects, labs, and field trips are required.

Forensic Science ^{NCAA}

Course #139000 A/B

Grades 10-12

Prerequisite: Biology

Length of Course: one year

Course fee and materials: \$25.00

Forensic Science is a year-long lab-based science course. The course will focus on crime scene investigations, evaluation of evidence, and presentation of findings in the appropriate settings. Topics covered will include the legal aspects and technology of forensic science; trace evidence; serology; forensic anthropology; DNA analysis; glass, paint, and soil analysis; toxicology; questioned documents and handwriting; ballistics, tool marks, and arson; and forensic science in the media and in popular culture. This course will position students to pursue further studies in biology, chemistry, physics, and related fields.

Forensic Science 2

Course #139002 A/B

Grades 11-12

Prerequisite: Forensic Science

Length of Course: one year

Course fee and materials: \$25.00

Forensic Science 2 is a year-long, lab-based science course. A comprehensive course offered as a second-level high school course in forensic science, students will have the opportunity to expand their knowledge of chemistry, biology, physics, human anatomy, and entomology. Topics that will be covered are forensic anthropology and pathology, forensic entomology, glass analysis and soils, dental impressions, firearms, tool marks, arson and explosives, forensic psychology, cybercrimes, and forensics in the media.

Teacher Cadet

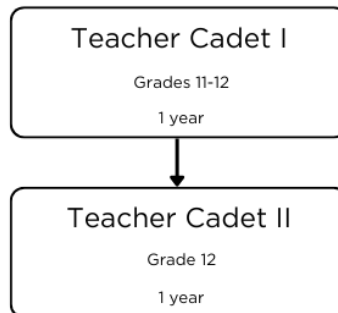
^{repeat} denotes a course that may be repeated for credit

^{weighted} denotes a weighted course

^{NCAA} denotes an NCAA approved course

Overview of Teacher Cadet Courses (Offered as a CP Pathway)

- Teacher Cadet I to Teacher Cadet II



Teacher Cadet I ^{weighted}

Course #191130 A/B

Location of Course: Discovery Canyon Campus High School

Grade: 11

Prerequisite: Application into the Teacher Cadet program

Length of Course: one year

Course fee and materials: \$35.00

Students will be involved in a fast-paced, innovative, hands-on curriculum where they gain knowledge about teaching and learning. Teacher cadets will develop and master effective skills that will be helpful in college and beyond such as presentations, public speaking, writing, communication, and reasoning. This is a yearlong, sequential, honors course with college credit options. Students will make a difference with children as they try out teaching in a mini student teaching experience.

Students must [apply to the Teacher Cadet program](#).

Students will need to provide their own transportation to DCC.

Teacher Cadet II ^{weighted}

Course #191131 A/B

Location of Course: Discovery Canyon Campus High School

Grade: 12

Prerequisite/corequisite: Teacher Cadet I

Length of Course: one year

Course fee and materials: \$20.00

This course is designed to provide additional field experience for those students who have

completed the Teacher Cadet course. For students who know they want to enter the education profession, this field experience will enhance their experience and understanding of classroom instruction and the challenges facing education today. Field time will include field contact hours working with a mentor plus seminar time at the home high school. Field experience placement will consist of two sites, a different site each semester, to provide a variety of experiences. These will be documented in a culminating portfolio.

Students will need to provide their own transportation to DCC.

Visual Arts

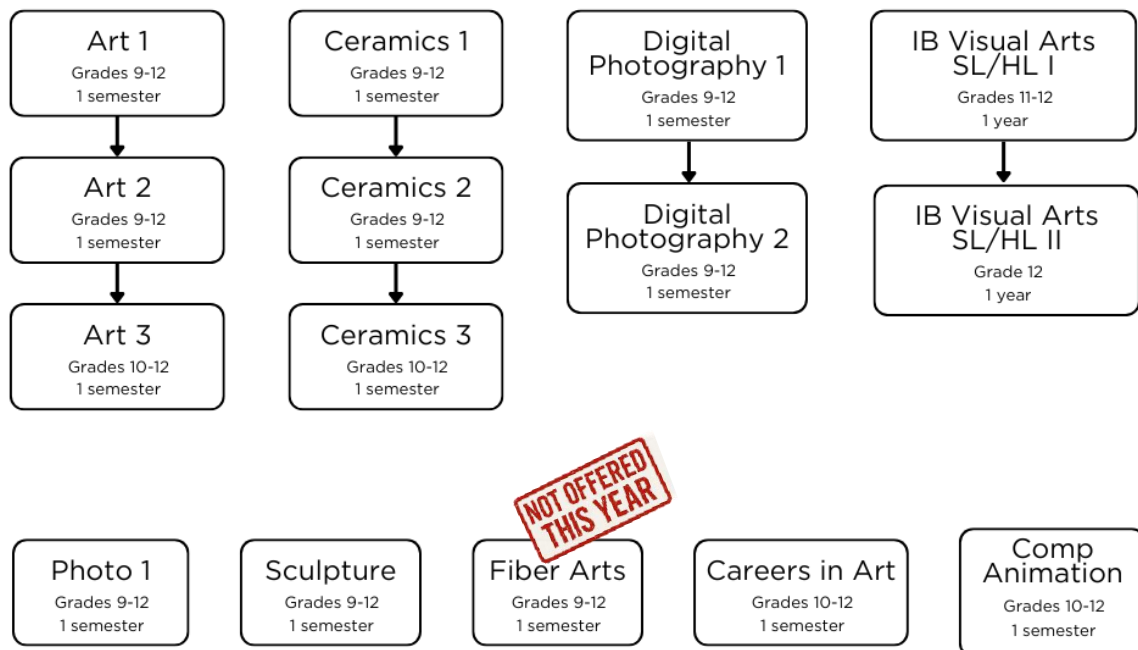
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Overview of Courses

- Art 1 to Art 2
- Art 2 to Art 3
- Ceramics 1 to Ceramics 2
- Ceramics 2 to Ceramics 3
- Digital Photography 1 to Digital Photography 2
- IB Visual Arts SL/HL I to IB Visual Arts SL/HL II
- Photo 1
- Sculpture
- Fiber Arts (not offered this year)
- Careers in Art
- Computer Animation



Course Descriptions

Art 1

Course #020000

Grades 9-12

Prerequisite: None

Length of Course: one semester

Course fee and materials: \$25.00

Students will receive instruction in the skills of basic drawing and painting. Students will explore basic techniques and subject matter. The media may include pencil, ink, charcoal, color pencil, printmaking, acrylic, watercolor and tempera.

Art 2

Course #020005

Grades 9-12

Prerequisite: Art 1

Length of Course: one semester

Course fee and materials: \$25.00

Students will receive instruction in the skills of intermediate drawing and painting. Students will expand their knowledge and application of drawing and painting techniques. The media may include pencil, ink, charcoal, color pencil, printmaking, acrylic, watercolors, tempera, pastels, sanguine and sepia, and conte crayon.

Art 3

Course #020010

Grades 10-12

Prerequisite: Art 2

Length of Course: one semester

Course fee and materials: \$25.00

Students will receive instruction in the skills of advanced drawing and painting. Students will continue to develop personal style and complex problem-solving skills as evidenced in the development of their portfolio.

Ceramics 1

Course #023000

Grades 9-12

Prerequisite: None

Length of Course: one semester

Course fee and materials: \$25.00

This course involves an introduction to the materials, techniques, design, and equipment of hand- built ceramic art and an introduction to the potter's wheel. Emphasis will be on development of basic skills, creativity, craftsmanship, aesthetics, and using clay as a medium of personal expression.

Ceramics 2

Course #023005

Grades 9-12

Prerequisite: Ceramics 1

Length of Course: one semester

Course fee and materials: \$25.00

This course will include an in-depth study of materials, techniques, design, and equipment of hand-built ceramics plus intermediate wheel throwing.

Ceramics 3

Course #023010

Grades 10-12

Prerequisite: Ceramics 2

Length of Course: one semester

Course fee and materials: \$25.00

At advanced levels of ceramic studies, students will work with materials, techniques, and concepts to generate their own personal designs. Students will be required to research and develop their ideas in and out of the ceramic lab. Students will pursue new directions with approval and guidance from the instructor. Emphasis may be on the exploration of clay as a sculptural medium, the business strategies behind the process of production pottery, independent study, and mastery of clay studio processes.

Digital Photography 1

Course #026050

Grades 9-12

Prerequisite: None

Length of Course: one semester

Course fee and materials: \$25.00 – It is highly recommended to have a DSLR camera but not required.

Students will explore visual communication and learn how to plan and produce photographic compositions that demonstrate an understanding of such techniques as light, composition, color, and visual impact.

Digital Photography 2

Course #026055

Grades 9-12

Prerequisite: Successful completion of Digital Photography 1

Length of Course: one semester

Course fee and materials: \$25.00, digital single lens reflex camera highly recommended

Students will expand upon the themes covered in previous photography courses, with specific emphasis toward expanding technical fluency and personal articulation, using industry standard software.

Photo 1

Course #026070

Grades 9-12

Prerequisite: none

Length of Course: one semester

Course fee and materials: \$30.00

This course is designed for the beginning photographer. Students learn to use 35 mm cameras as well as to develop and print black and white photographs. Digital photography may be introduced. Emphasis will be placed on photography for artistic and personal use.

Sculpture

Course #028000

Grades 9-12

Prerequisite: none

Length of Course: one semester

Course fee and materials: \$25.00

This course is a studio-based art class introducing students to three-dimensional art. Through individual and group projects, visual presentations, and class discussion, students will explore various forms of sculpture. After learning foundational elements, principles, and historical and contemporary background of three-dimensional art, students will express themselves and the world around them through many forms of sculpture including (but not limited to) paper, wire, clay, recycled materials, handmade books, group projects and even public installations. Projects will focus on both personal and public content through an inventive, creative, and hands-on approach.

Fiber Arts

Course #023300

Grades 9-12

Prerequisite: none

Length of Course: one semester

Course fee and materials: \$25.00

Students will learn to work with textiles as a form of artmaking. They will be introduced to multiple ways of creating art including weaving, knitting, sewing, and felting to make both two- and three-dimensional pieces. Functional and non-functional art will be included. The cultural significance of fiber arts from other time periods and countries will be the basis for research and projects, as will contemporary art utilizing this medium. This course will also have cross-curricular applications with science and math.

Careers in Art

Course #029080

Grades 10-12

Prerequisite: one semester of high school art

Length of Course: one semester

Course fee and materials: \$25.00

This course will offer students the opportunity to investigate careers related to the visual arts. Students will cycle through a series of units that explore different career options in the arts which may include art curator, interior designer, tattoo designer, real-estate photographer, architect, Art teacher, fashion designer, and artist. The course will be project-based and students will be expected to create products in visual arts media. By the end of the course students will have a culminating portfolio of investigative units that portrays all the careers they've studied with the products they created.

**NOT OFFERED
THIS YEAR**

Computer Animation

Course #026010

Grades 10-12

Prerequisite: Art 1 or equivalent drawing course

Length of Course: one semester

Course fee and materials: \$25.00

Students will learn how to create original computer animations using industry standard software. Projects will emphasize the use of wireframe, motion paths, lighting, and texture in producing original content. Students will create a portfolio of their work during this class.

Upperclassman International Baccalaureate Course Descriptions

These courses are designed to teach higher level techniques in media-specific areas of visual arts. Students interested in this level of work should have at least one semester of HS visual arts or have a portfolio review with the instructor prior to taking these courses. DCC offers IB Visual Arts as part of the Diploma Programme or as singleton courses. *Note: Seniors may take Visual Arts SL/HL I, but they may not test at the end of the year.*

IB Visual Arts SL/HL I weighted

SL Course #029001

HL Course #029003

Grade: 11-12*

Students who are submitting an assessment for IB moderation must take Level I junior year and Level II senior year. *Seniors wanting to take the course as a singleton without submitting an assessment may register for HL Level I or SL Level I.

Prerequisite: one Semester of High School Art or through instructor approval. Instructor may ask for a portfolio sample for review.

Length of Course: one Year

Course fee and materials: \$50.00 (\$25.00 per semester)

IB Visual Arts SL I:

This is the first year of a two-year sequence of classes for students choosing to study art at the standard level. This course requires the student to complete a body of creative work. Artistic understanding and expression may be taught through various techniques from painting, drawing, experimental mixed media, photography, sculpture, or ceramics. An in-depth development of personal expression and application of knowledge will be attained. The elements and principles are practiced through a wide variety of two- and three-dimensional media, including drawing, painting, printmaking, fibers techniques, sculpture, mixed media, and construction. Investigative workbooks are an integral part of the course as they are used to develop research into artists, materials, media, and techniques. Students will be prepared to continue to IB Visual Arts SL II.

IB Visual Arts HL I:

This is the first year of a two-year intensive sequence of classes for students choosing to study art at a higher level. In addition to exploring and comparing visual arts from different perspectives and in different contexts, students are expected to engage in, experiment with and critically reflect upon a wide range of contemporary practices and media. Supporting the International Baccalaureate mission statement and learner profile, the course

encourages students to actively explore the visual arts within and across a variety of local, regional, national, international, and intercultural contexts. Through inquiry, investigation, reflection and creative application, visual arts students develop an appreciation for the expressive and aesthetic diversity in the world around them, becoming critically informed makers and consumers of visual culture.

IB Visual Arts SL/HL II ^{weighted}

SL Course #029002

HL Course #029004

Grade: 12

Prerequisite: IB Visual Arts SL I or HL I

Length of Course: one Year

Course fee and materials: \$50.00 (\$25.00 per semester)

IB Assessment fee: \$129.00

IB Visual Arts SL II:

This is the second year of a two-year intensive sequence of classes for students choosing to study Art at the Higher Level. This course requires the student to complete a body of creative work. The elements and principles are practiced through a wide variety of two- and three-dimensional media, including drawing, painting, printmaking, fibers techniques, sculpture, mixed media, and construction. Students can choose between a studio emphasis or an investigative emphasis. In addition, investigative workbooks are an integral part of the course as they are used to develop research into artists, materials, media, and techniques. Internal assessment is done by the teacher and externally moderated by the IBO in the spring semester. The DP exam score for this course is awarded by a visiting examiner assessing the students' studio work or pages of their investigative workbook as well as an interview with the student about their work, in combination with the Internal Assessment.

IB Visual Arts HL II:

This is the second year of a two-year intensive sequence of classes for students choosing to study art at the higher level. In addition to exploring and comparing visual arts from different perspectives and in different contexts, students are expected to engage in, experiment with and critically reflect upon a wide range of contemporary practices and media. Supporting the International Baccalaureate mission statement and learner profile, the course encourages students to actively explore the visual arts within and across a variety of local, regional, national, international, and intercultural contexts. Through inquiry, investigation, reflection and creative application, visual arts students develop an appreciation for the expressive and aesthetic diversity in the world around them, becoming critically informed makers and consumers of visual culture.

IB Core

Course Descriptions

IB DP Core Theory of Knowledge weighted, NCAA

Course # 158017 A/B - Grade 11

Course # 158017 C - Grade 12

Prerequisite: Open to students taking two or more IB courses

Length of Course: 1.5 years

Course fee and materials: Book list provided by the instructor.

IB DP Core Theory of Knowledge (TOK) aims to make students aware of the interpretative nature of knowledge, including personal ideological biases - whether these biases are retained, revised, or rejected. It offers students and their teachers the opportunity to reflect critically on diverse ways of knowing and on areas of knowledge and consider the role and nature of knowledge in their own culture, in the culture of others and in the wider world. In addition, TOK prompts students to be aware of themselves as thinkers, encouraging them to become more acquainted with the complexity of knowledge, and recognize the need to act responsibly in an increasingly interconnected but uncertain world.

IB CP Core Personal and Professional Skills weighted, NCAA

Course # 039100 A/B - Grade 11

Course # 039100 C - Grade 12

Prerequisite: Must be enrolled in a Career Pathway

Length of Course: 1.5 years

Course fee and materials: Book list provided by the instructor.

IB CP Core Personal and Professional Skills is designed to develop attitudes, skills, and strategies to be applied to personal and professional situations and contexts now and in the future. In this course the emphasis is on skills development for the workplace as these are transferable and can be applied in a range of situations.

Special Programs

^{repeat} denotes a course that may be repeated for credit

^{weighted} denotes a weighted course

^{NCAA} denotes an NCAA approved course

Course Descriptions

Classroom Helpers ^{repeat}

Course #191018

Grades 9-12

Prerequisite: Application, including instructor recommendation

Length of Course: one semester

Course and materials fee: None

Students enrolled in this program will be assigned to help an elementary classroom in District 20. Classroom tasks will be assigned by the classroom teacher and will involve working with students individually as well as in small groups. Tasks will also include a wide variety of activities common to elementary school and elementary teaching based on the needs of the individual classroom. This program is particularly useful to high school students who are considering a career in elementary education. It is necessary for students to provide their own transportation. Credit is based on the number of hours of participation at the elementary school and teacher evaluation. See your counselor for more information and application.

Peer Partner ^{repeat}

Course #191035

Grades 10-12 Prerequisite: None

Length of Course: one semester

Course and materials fee: None

Students will be required to do a final paper/project. Attendance is vital for this course. Students will support special education students in their classroom, in mainstream classes, or at a job site. In addition, peer coaches must be flexible and be ready for assignment changes during the semester. This is a great opportunity for students interested in a career in education.

Peer Tutor ^{repeat}

Course #191007

Grades 9-12 Prerequisite: None

Length of Course: one semester

Course and materials fee: None

Students enrolled in this course serve as peer tutors under the guidance and supervision of a teacher. Students will receive a Pass/Fail grade for this course.

Student Government ^{repeat}

Course #191080 A/B

Grades 9-12

Prerequisite: Application
Length of Course: one year
Course and materials fee: \$75.00

Members will learn by application procedures of government and parliamentary procedure. They will focus on leadership skills necessary for effective leadership in a high school setting. They will make decisions relative to student body matters. They will have a primary role in student activities and student assemblies. Credit earned will be applied as elective credit.

Teacher Assistant ^{repeat}

Course #191065
Grades 9-12
Prerequisite: Application
Length of Course: one semester
Course and materials fee: None

This program is designed to train students to provide assistance to students, faculty, and staff as well as give students experience in classroom duties. One-half credit is given, and evaluation is given on a “pass/fail” basis.

Study Hall

Course #191050
Grades 9-12 Prerequisite: None
Length of Course: one semester
Course and materials fee: None

No credit is given for this class, which provides time for students to do homework. Attendance is mandatory.

Attendance Waiver AM/PM

Course #191255 A/B (first/second semester (pm) class)
Course # 191260 A/B (first/second semester (am) class)
Grades 9-12
Prerequisite: Signed parent permission form **and** DCCHS Dean approval
Length of Course: one semester
Course and materials fee: None

A form may be filled out at the beginning of the year for both semesters. All forms must be turned in and approved by the Dean of Students. You must have an attendance waiver approved by the Dean of Students and reflected in your current schedule prior to departing campus during any period for which you have requested a waiver.

Career and Technology Education (CTE) Campus Pathway Courses

Academy District 20 offers special Career and Technology Education courses at high schools across the district. More information about these programs can be found on the individual school website or in the [D20 Postsecondary Opportunities book](#). Please reach out to the [College & Career Department](#) with specific questions.

Automotive Technology

Course Descriptions

Automotive Technology 1

Course #108310 A/B

Grades 11-12 students who are on track to graduate.

Prerequisites: None; however, we recommend that students have completed Algebra 1 and Geometry.

Length of Course: one year

Course Fee: \$100.00 plus any additional fees for those who wish to pursue certification exams.

Type of Credit Earned: four core elective credits for successful completion of the course.

Course Format: Year-long double block course that meets every other day from 8 a.m. to 11 a.m. or from 11:45 a.m. to 2:45 p.m.

In this first course of a two-year course sequence, students participate in real-world auto service training through maintenance, diagnosis, removal, and installation of specific automotive drivetrain components. Students focus on industry standard processes and safety procedures in the environment of a working auto shop. Students learn through competency-based instruction that leads to an Automotive Service Excellence (ASE) student certification. Students will gain a foundation for entry-level employment or further schooling/training.

This is a year-long, double-block course (e.g., Purple 1 and Purple 2) held at Liberty High School. District 20 provides transportation to and from home high schools for the morning sections only. Students enrolled in afternoon sections will need to provide their own transportation to and from Liberty High School.

Automotive Technology 2

Course #108315 A/B

Grade 12 students who are on track to graduate.

Prerequisites: Successful completion of Automotive Technology I and instructor approval.

Length of Course: one year

Course Fee: \$100.00 plus any additional fees for those who wish to pursue certification exams.

Type of Credit Earned: four core elective credits for successful completion of the course.

Course Format: Year-long double block course that meets every other day from 8 a.m. to 11 a.m. or from 11:45 a.m. to 2:45 p.m.

In this second course of a two-year course sequence, students will continue to participate in real- world auto service training through maintenance, diagnosis, removal, and installation of specific automotive drivetrain components. Students focus on industry standard processes and safety procedures in the environment of a working auto shop. Students learn through competency-based instruction that leads to an Automotive Service Excellence (ASE) student certification. Students will gain a foundation for entry-level employment or further schooling/training.

This is a year-long, double-block course (e.g., Purple 1 and Purple 2) held at Liberty High School. District 20 provides transportation to and from home high schools for the morning sections only. Students enrolled in afternoon sections will need to provide their own transportation to and from Liberty High School.

Building Construction Technology

Course Descriptions

Building Construction Technology 1

Course #101010 A/B

Grades 10-12 students who are on track to graduate.

Prerequisites: None; however, we recommend that students have completed Algebra 1 and Geometry or be concurrently enrolled in Geometry.

Length of Course: one year

Course Fee: \$100.00 plus any additional fees for supplies/tools and for those who wish to pursue certification exams.

Type of Credit Earned: four core elective credits for successful completion of the course.

Course Format: Year-long double block course that meets every other day from 8 a.m. to 11 a.m. or from 11:45 a.m. to 2:45 p.m.

In this first course of a two-year sequence, students will apply technical knowledge and skills to residential and commercial building construction and remodeling through authentic construction projects. This course introduces students to all aspects of construction with a focus on Pre-Apprentice Certification Training (PACT) in the following areas: (1) Building Trades, Safety, and First Aid; (2) Construction Math; (3) Tools & Construction Materials; and (4) Employability. Students will gain a foundation for entry-level employment or further schooling/training.

This is a year-long, double-block course (e.g., Purple 1 and Purple 2) held at Liberty High School. District 20 provides transportation to and from home high schools for the morning sections only. Students enrolled in afternoon sections will need to provide their own transportation to and from Liberty High School.

Building Construction Technology 2

Course #101015 A/B

Grades 11-12 students who are on track to graduate.

Prerequisites: Successful completion of Building Construction I and instructor approval.

Length of Course: one year

Course Fee: \$100.00 plus any additional fees for supplies/tools and for those who wish to pursue certification exams.

Type of Credit Earned: Four core elective credits for successful completion of the course.

Course Format: Year-long double block course that meets every other day from 8 a.m. to 11 a.m. or from 11:45 a.m. to 2:45 p.m.

In this second course of a two-year sequence, students will continue to apply technical knowledge and skills to residential and commercial building construction and remodeling through authentic construction projects. This course introduces students to all aspects of construction with a focus on Pre-Apprentice Certification Training (PACT). Students will gain a foundation for entry-level employment or further schooling/training.

This is a year-long, double-block course (e.g., Purple 1 and Purple 2) held at Liberty High School. District 20 provides transportation to and from home high schools for the morning sections only. Students enrolled in afternoon sections will need to provide their own

transportation to and from Liberty High School.

Healthcare

Course Descriptions

Certified Nursing Assistant (CNA)

Course #074100 A/B

Grades 11-12

Prerequisites: None; however, it is strongly recommended that students have completed or are concurrently enrolled in Anatomy & Physiology.

Course Length: one year

Course Fee: \$100.00 plus costs for background check, liability insurance, and board exams.

Type of Credit Earned: four core elective credits for successful completion of the courses as well as college credit for all courses completed.

Course Format: Year-long double block set of courses that meet every other day from 8 a.m. to 11 a.m. or from 11:45 a.m. to 2:45 p.m.

In this course, students will prepare for the nurse aide certification exam by expanding foundational healthcare skills and applying basic nursing theory to the practice of client care. Through lab-based simulations and clinical experiences, students will demonstrate nursing principles and competencies, restorative services, safety practices, and emergency care while they model professional skills.

This is a set of college courses offered through Pikes Peak State College (PPSC) and taught by PPSC instructors. Students who are accepted must enroll at PPSC and grades posted on transcripts will apply to both PPSC and Academy District 20.

This is a year-long, double-block course (e.g., Purple 1 and Purple 2) held at Liberty High School. District 20 provides transportation to and from home high schools for the morning sections only. Students enrolled in afternoon sections will need to provide their own transportation to and from Liberty High School.

Emergency Medical Technician (EMT)

Course #079000 A/B

Grade 12 **only**

Prerequisites: B or better in junior English and Algebra II (both semesters) or PSAT or SAT score of 470 in English and 500 in Math; recommended that students have completed or are concurrently enrolled in Anatomy & Physiology.

Course Length: one year

Course Fee: \$100.00 plus costs for background check, liability insurance, and board exams.

Type of Credit Earned: four core elective credits for successful completion of the courses as well as college credit for all courses completed.

In this course, students prepare for the National Registry of Emergency Medical Technicians exam by applying foundational healthcare skills to the practice of basic emergency pre-hospital client care. Through classroom simulations and clinical experiences, students will demonstrate an understanding of basic anatomy and psychology, patient assessment, communication strategies, and emergency medical interventions.

This is a set of college courses offered through Pikes Peak State College (PPSC) and taught by PPSC instructors. Students who are accepted must enroll at PPSC and grades posted on transcripts will apply to both PPSC and Academy District 20.

Air Force Junior Reserve Officer Training Corps (ROTC)

Course Descriptions

Air Force Junior ROTC 1

Course #089100 A/B

Location of Course: Air Academy High School

Grades 9-12

Prerequisite: Application and instructor approval.

Length of Course: one year/two credits (Core Elective - Social Studies)

Cadet fee: \$40.00

The first year of Aerospace Science is “A Journey into Aviation History.” In this course students learn the origins of flight, early growth and formative years of the U.S., the progress of flight and use of airpower during World War I, the Golden Age of Aviation, World War II, Korean War, Vietnam, Desert Shield/Storm, Kosovo, etc. Students will study individual aviation pioneers such as Leonardo da Vinci, Orville and Wilbur Wright, Amelia Earhart, James Doolittle, Billy Mitchell, Carl Spaatz, Chuck Yeager, etc. The Leadership Education portion of the course will also address some of the customs, traditions, and history of the military and will emphasize leadership, character development, and good citizenship. Drill (marching) is also offered as part of the Leadership Education phase. First year cadets are required to perform four hours of community service per quarter.

Air Force Junior ROTC 2

Course #089105 A/B

Location of Course: Air Academy High School

Grades 10-12

Prerequisite: AFJROTC 1 and instructor approval.

Length of Course: one year/two Credits (Core Elective - Science)

Cadet fee: \$25.00

The second year of Aerospace Science is “The Science of Flight.” In this course students learn the fundamentals of flight and are exposed to weather and its effects on flight, human physiology in flight, basic aeronautics, flight power, aerospace power, basic navigation, and navigation instruments. Students will conduct research and deliver classroom presentations on aviation topics. The Leadership Education portion of the course will address communication, personal awareness, group dynamics, problem solving, and will emphasize leadership, character development, and good citizenship. Drill (marching) is also offered as part of the Leadership Education phase. Second year cadets are required to perform five hours of community service per quarter.

Air Force Junior ROTC 3

Course #089110 A/B

Location of Course: Air Academy High School

Grades 11-12

Prerequisite: AFJROTC 1 and 2 and instructor approval.

Length of Course: one year/two Credits (Core Elective - Science)

Cadet fee: \$25.00

The third year of Aerospace Science is "Exploring Space." It provides an in-depth study of the Earth, Sun, stars, Moon, and solar system, including the terrestrial and outer planets. It discusses issues critical to travel in the upper atmosphere such as orbits and trajectories in unmanned satellites, and space probes. It investigates the importance of entering space and discusses manned and unmanned space flights, focusing on concepts surrounding spaceflight, space vehicles, launch systems, and space missions. The section on manned spaceflight focuses on the space stations and beyond, covering milestones in the endeavor to land on the Moon and to safely orbit humans and crafts for temporary and prolonged periods. The course covers the human aspect of spaceflight, focusing on human experience in space. It also examines the latest advances in space technology, including robotics in space, the Mars Rover, and commercial uses of space. The Leadership Education portion of the course covers life skills, career paths, financial planning, and college options. Leadership, character development, and good citizenship are emphasized throughout the course. Drill (marching) is also offered as part of the Leadership Education phase. Third year cadets are required to perform eight hours of community service per quarter.

Air Force Junior ROTC 4

Course #089115 A/B

Location of Course: Air Academy High School

Grade 12

Prerequisite: AFJROTC 1 and instructor approval/signature.

Length of Course: one year/two Credits (Unrestricted Elective)

Cadet fee: \$25.00

The fourth year of Aerospace Science is "Management of the Cadet Corps." This curriculum is designed to focus on the fundamentals of leadership and management. Attention will be given to four specific areas, management techniques, management decisions, management functions, managing self and others. Each cadet will hold a position of leadership in the cadet wing and be responsible for applying the techniques and principles learned in class. This course requires a significant investment in time and effort outside the classroom to make the cadet wing run effectively and efficiently. The Leadership Education portion of the course covers principles of management, skills for planning and developing goals, managing time and stress, group decision making, and leadership issues and challenges. Drill (marching) is also offered as part of the Leadership Education phase. Fourth year cadets are required to perform 12 hours of community service per quarter. Physical fitness training will make up 20% of the course, approximately one class session every other week.

Academy School District 20 Post-Secondary Opportunities

Academy School District 20 offers a wide variety of college level programs students can participate in while attending DCC. Below you will find a short description of each program; please refer to the [College & Career Services](#) webpage for application links and more information. Please connect with the [College & Career Department](#) if you have any questions.

Program	Description	Grade level
Concurrent Enrollment Pikes Peak State College (PPSC)	College-ready high school students can apply for a course at PPSC and earn high school and college credit. All courses must be pre-approved by the student's high school counselor and by College and Career Services to qualify for Concurrent Enrollment, and students will be directed to course opportunities at their home high school first. In most circumstances, only in-person PPSC courses will be approved for Concurrent Enrollment; online courses are typically denied unless there is a compelling reason that the student cannot access a course through the in-person learning modality.	9-12
Career Start	High school juniors and seniors can enroll in a half day program in a technical or trade area of study. Students earn core electives as well as college credit that can be applied to an associate degree program. Students attend courses at the college every day, returning to DCCHS for the last class of the day.	11 & 12
ASCENT	High school seniors who have met all D20 graduation requirements and who have completed at least 12 college credit hours may apply for ASCENT, which allows them to stay enrolled in high school for a fifth year while they take only college courses at PPSC.	12+
ISSA	Students who are juniors or seniors may enroll in a two- year hairstyling certification program through the International Salon and Spa Academy (ISSA). Students earn high school credit while preparing for their industry certification; however, no college credit is awarded. Students attend half-day courses at ISSA, returning to DCCHS for the last class of the day.	11 & 12
CU Succeed (UCCS)	Students may earn college credit for successfully completing select asynchronous high school academic courses. Some courses may be guaranteed to transfer to public institutions of higher education within Colorado. The student is responsible for researching transferability. Courses must be pre-approved by your high school counselor and College & Career Services.	9-12
Pre-Collegiate Development Program (PCDP)	Students participate in a three-year program consisting of an intensive summer experience at UCCS. Students choose from one of five areas of study: Business, Education, Engineering, Health, or Human Services. Freshmen only.	9

Outside Credit

Occasions may arise where students may need to earn credits not offered as part of the established educational sequence sponsored by their District 20 high school. To accommodate these situations, the following guidelines and expectations are in place. Students may, subject to the information below, take no more than six outside credits in attainment of the required credits for graduation.

All courses from outside agencies need to be approved by the counselor and principal prior to enrollment in the outside credit. Credits completed without prior approval will not be considered.

All credit must be obtained from approved accredited agencies.

Courses taken through outside agencies are not paid for by District 20 or the individual school.

Courses taken with outside agencies are included in the student's GPA. Courses that are failed are also included.

Students may be responsible for any institution fees.

Students will need to submit a completed form to the College & Career Center before the course begins to have the credit transcribed on their DCC transcript. Please connect with the [College & Career Department](#) to obtain the appropriate form or for any questions.