

# THORNTON HIGH SCHOOL

An International Baccalaureate® World School

Thornton High School  
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<https://thorntonh.adams12.org>



**REGISTRATION GUIDE**  
**2020-2021**

Dear Trojan Students and Parents:

Welcome to Thornton High School! The faculty and staff are committed to providing our students with a rich, challenging, and meaningful educational experience during your time with us. Our academic programs are designed to offer every student the opportunity to excel while at THS and to build a strong foundation for success after high school. We look forward to working in partnership with you throughout your high school career as you make course selections and plan for your future.

As you prepare to select your coursework for next school year and develop your four year graduation plan, it is important that you review the minimum requirements for the Adams 12 diploma. It is equally important that you understand the university entrance requirements established by the Colorado Department of Higher Education (CDHE) and any post-secondary programs or careers that you may be considering.

This registration guide is an essential tool in making important educational decisions that lie ahead for you. As you look through the guide, you will find information on graduation requirements, college admission standards, academic policies, and course descriptions. In addition, programs that are unique to Thornton High School are explained.

Please give careful consideration to the program and course decisions that you make. These decisions will shape not only your graduation plans, but also your future college and career choices.

THS counselors and faculty are available to answer any questions that you may have about your course selections. I encourage you to seek their advice as you work through the course selection process.

Go Trojans!

Jennifer Skrobela  
Principal

# Table of Contents

<b>Registration Guidelines</b>	4
<b>Schedule Change Requests</b>	4
<b>International Baccalaureate World School</b>	5
<b>Higher Education Admission Requirements (HEAR)</b>	8
<b>Adams 12 Graduation Requirements</b>	9
<b>High School Credit for State-Mandated Assessments</b>	12
<b>Athletic and Activity Eligibility</b>	14
<b>National Collegiate Athletic Association (NCAA) Eligibility:</b>	17
<b>Course Offerings</b>	18

The content provided in this registration guide is current and timely as of December 2019. Information is presented in summary form and policies, procedures, fees, and course titles are subject to change.

### **Statement of Nondiscrimination**

Adams County School District No. 12 does not discriminate on the basis of race, color, national origin, sex, age or handicap in admission or access to, or treatment of employment in its educational programs or activities.

## **Registration Guidelines**

This registration guide will acquaint you with the courses, academic policies, and graduation requirements of Thornton High School.

Thoughtful four year planning and course selection will help ensure an on-time graduation as well as a seamless transition into postsecondary education and careers.

As you select courses, it is important that you consider the following:

- Review your Individual Career and Academic Plan (ICAP) each year.
- Review your progress towards meeting district graduation and post-secondary requirements.
- Read the course descriptions carefully and talk with your parents/guardians, teachers and counselors about your choices.
- Students participating in athletics and/or activities are responsible for knowing and understanding the CHSAA eligibility requirements.
- According to District Policy 6340, all students in grades 9 - 12 must enroll in a minimum of six (6) credits per year. Students in grades 9-11 must be enrolled in one (1) credit each of math, English, science, and social studies. Seniors must take a minimum of three (3) credits in a core area (math, English, science, social studies, world language or career and technical courses).

### **Schedule Change Requests**

Please note that the master schedule is built taking many factors into consideration, including student requests, graduation requirements, class sizes, staffing, and funding. Courses may only be offered if enough students enroll and staffing decisions are made based on what students request.

Therefore, once you have registered for classes, schedule changes may only be requested for the following reasons:

1. Failed a class or have not taken a prerequisite.
2. Physical disability (must have a doctor's excuse).
3. Previously earned credit in the same class.

Students requesting a schedule change must work through their counselor and may only be made during the first five days of the semester. Requesting a schedule change due to an outside job, athletics, teacher preference, or to have a class during a specific period are not valid reasons for requesting a schedule change.

**Important Note: If a schedule change is approved, the choices for replacing the class(es) are limited to courses with seats available.**

**International Baccalaureate® World School**

As an International Baccalaureate® World School, Thornton High School offers the internationally-recognized IB Middle Years Program (MYP) full school in 9<sup>th</sup> and 10<sup>th</sup> and IB Diploma Program (DP) for 11<sup>th</sup> and 12<sup>th</sup> grade. The IB works to develop internationally minded students who are inquiring, knowledgeable and caring.

At its core the IB Learner Profile traits encourage students to be:

- |               |               |             |          |            |
|---------------|---------------|-------------|----------|------------|
| Inquirers     | Risk-takers   | Open-minded | Balanced | Caring     |
| Communicators | Knowledgeable | Principled  | Thinkers | Reflective |

**IB Middle Years Program for 9<sup>th</sup> and 10<sup>th</sup> Grade**

The MYP engages students in developing an understanding of themselves and how they can positively impact the community around them. Learning in the MYP is done in context and is connected to their lives and their experiences in the world. Courses in the MYP integrate the development of skills as life-long learners. These skills fall within five main areas: thinking skills, communication skills, reflective skills, social skills, and self-management skills. Students showcase their learning in a self-selected topic project, the MYP Personal Project, which they complete in their 10th grade year.

The MYP engages and supports students with all academic abilities and interests. With this inclusive design, students select the number of standard or honors courses in their schedule (one, two, three or all four) based on personal preference. Students select one world language for the two years of the MYP and can continue to develop that language further if they choose. Students are encouraged to pick a focus area for their electives, Design, Arts, or Physical Education & Health, and take an elective from that area each semester. (Per graduation requirements, all students will take a semester of Health and a semester of PE regardless of the elective area of their choice)

<p align="center"><b>STANDARD</b>  <b>IB Middle Years Program</b>                      Preparation for Standard or Honors Pathway</p>	<p align="center"><b>Honors</b>  <b>IB Middle Years Program</b>                      Preparation for Honors Pathway or IB Diploma</p>		
<p>Standard grade-level course options:</p> <ul style="list-style-type: none"> <li>● English Language Arts</li> <li>● Math</li> <li>● Science</li> <li>● Social Studies</li> </ul>	<p>Honors level course options:</p> <ul style="list-style-type: none"> <li>● English Language Arts</li> <li>● Math</li> <li>● Science</li> <li>● Social Studies</li> </ul>		
<p align="center">All 9th and 10th graders engage in:</p> <table border="0"> <tr> <td> <ul style="list-style-type: none"> <li>● One World Language                             <ul style="list-style-type: none"> <li>○ French</li> <li>○ Native/Heritage Spanish</li> <li>○ Spanish</li> </ul> </li> <li>● PE &amp; Health Courses</li> </ul> </td> <td> <ul style="list-style-type: none"> <li>● Design Courses                             <ul style="list-style-type: none"> <li>○ Business/Computer Science</li> <li>○ Family and Consumer Science</li> <li>○ Pre-Engineering</li> </ul> </li> <li>● Visual and/or Performing Art Courses</li> </ul> </td> </tr> </table>		<ul style="list-style-type: none"> <li>● One World Language                             <ul style="list-style-type: none"> <li>○ French</li> <li>○ Native/Heritage Spanish</li> <li>○ Spanish</li> </ul> </li> <li>● PE &amp; Health Courses</li> </ul>	<ul style="list-style-type: none"> <li>● Design Courses                             <ul style="list-style-type: none"> <li>○ Business/Computer Science</li> <li>○ Family and Consumer Science</li> <li>○ Pre-Engineering</li> </ul> </li> <li>● Visual and/or Performing Art Courses</li> </ul>
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## **IB Diploma Program and IB Course options for 11<sup>th</sup> and 12<sup>th</sup> Grade**

IB Diploma courses continue students' development of international mindedness and the Learner Profile traits. These courses draw on and continue to support the development of the skills for students to be lifelong learners. IB Diploma courses involve rigorous college level content that allows students to apply their knowledge and skills. IB DP courses require in-class and end-of-course exams that combine into a score that can be used for credit at many colleges/universities.

### **IB Course Candidates:**

At THS, students can take individual IB Diploma courses in the subjects they choose. A few IB DP subjects are one year courses, while most are two year courses. Students are eligible for the IB exam at the end of the course sequence.

### **IB Course Candidates and Future Forward (CTE):**

Students choosing to take some IB Diploma courses can pair those with a CTE pathway through Future Forward. Students who select this option generally take between one and four IB Diploma courses. Course choices can be limited due to overlapping in the schedules among schools.

### **IB Diploma Program Candidates:**

Students have a full schedule of IB Diploma courses (all 6 subjects) over the two years. They also complete the *Theory of Knowledge* course, develop a research question on a topic of their choice and complete an independent *Extended Essay*, and engage in *Creativity, Activity, Service* within the school and greater communities. Pursuing the IB Diploma allows students to develop a breadth and depth of knowledge while developing themselves physically, intellectually, emotionally and ethically.

**(Continued next page)**

<p align="center"><u>Standard Career Pathway</u> Future Forward</p>	<p align="center"><u>Honors Career Pathway</u> IB Course Candidate and Future Forward</p>	<p align="center"><u>IB Diploma Program</u></p>
<p>One of the following Career Pathway:</p> <ul style="list-style-type: none"> <li>● Automotive Pathway</li> <li>● Engineering Pathway</li> <li>● Computer Science Pathway</li> <li>● Traditional Trades Pathway</li> <li>● Health/Medical Pathway</li> <li>● Business/Marketing Pathway</li> <li>● Visual/Performing Arts Pathway</li> <li>● Teacher Cadet</li> <li>● Pro-Start (Culinary)</li> </ul>	<p>One of the Career Pathways</p> <p>AND</p> <p>One or more (up to 4) IB Diploma courses</p> <ul style="list-style-type: none"> <li>● Some are 1 year courses, many are 2 years courses</li> <li>● Exit exams are available and allow the option to earn college credit</li> <li>● Weighted credit for students who take the end of course IB exams</li> </ul>	<p>Six subject group IB DP Core Classes</p> <ul style="list-style-type: none"> <li>● English Language Arts</li> <li>● World Language</li> <li>● Science</li> <li>● Math</li> <li>● History</li> <li>● Elective (Business &amp; Management or Visual Art or Psychology)</li> </ul> <p>Theory of Knowledge Extended Essay Creativity, Activity and Service</p>

**\*Students who do not sit the IB exams at the end of the IB Diploma courses will have their grade for the course unweighted per Adams 12 policy.**

**\*Students considering changing from honors or Diploma Program courses to standard level courses will need to have a conversation with the IB Coordinator and counselor before requesting a change.**

For more information about the MYP and DP, please contact the IB coordinators, your counselor, or visit our school website. The IB handbook is available online.

## **Higher Education Admission Requirements (HEAR)**

The Colorado Department of Higher Education (CDHE) Admissions Standards Policy includes a pre-collegiate curriculum requirement. The admission standards apply to students who seek to qualify for admission to Colorado's four-year public institutions. Community colleges will continue to have open admission which means students enrolling in these institutions are not subject to admissions standards.

<b>CDHE Requirements</b>	<b>Class of 2010+</b>
English	4
Mathematics (Must include Algebra I, Geometry, Algebra II or equivalents)	4
Natural/Physical Science (two units must be lab-based)	3
Social Sciences (at least one unit of U.S. or World History)	3
World Language **	1
Academic Electives*	2
<b>Total</b>	<b>17 credits</b>

\*Acceptable Academic Electives include additional courses in English, mathematics, natural/physical sciences and social sciences, world languages, art, music, journalism, drama, computer science, honors, Advanced Placement, International Baccalaureate courses, and appropriate CTE courses.

\*\*Some universities require completion of level 2 or level 3 of a foreign language. Check the criteria of the universities you are considering.

## **College Entrance Requirements**

Some students may consider post-secondary options outside of Colorado. Regardless of where you may be applying, college admission is generally dependent upon the following factors:

- Grade point average and class rank
- Course selection during high school
- College admission tests (SAT and/or ACT)
- Activities/Community Involvement
- Recommendations from teachers and counselors
- Personal essays and/or statements

It is recommended that you work with your counselor to tailor your four year plan to your goals.

## **Content Standards**

Adams 12 Five Star Schools curriculum frameworks are aligned with the Colorado State Standards. These frameworks are the instructional guidelines for each content area.

## Graduation Requirements- Class of 2021 & Beyond

Beginning with the class of 2021, graduation requirements will have two components: **Credits and Coursework** and **College and Career Readiness Demonstrations** in both English and mathematics. For students graduating in the class of 2020 or before, the revised graduation requirements do NOT apply.

### Graduation requirements for the class of 2021 and beyond

Credits needed	Subject area
4	English
3	Math
3	Science
1	US History
0.5	US Government
1.5	Social Science
1	Physical Education (PE) (0.5 Healthy Choices; 0.5 PE - no PE waivers)
2	Fine & Practical Arts
7	Electives
<b>23 Total</b>	

### College and Career Readiness

In addition to the 23 credits listed above, the Class of 2021 & beyond will be required to demonstrate **College and Career Readiness** in both English and mathematics by achieving a minimum score in at least ONE of the competency demonstrations.

Menu of Options	English	Math
<b>ACCUPLACER</b>	62 on Reading Comprehension or 70 on Sentence Skills	61 on Elementary Algebra
<b>ACT</b>	18 on ACT English	19 on ACT Math
<b>ACT Workkeys - National Career Readiness Certificate</b>	Bronze or higher	Bronze or higher
<b>Advanced Placement (AP)</b>	2	2
<b>ASVAB</b>	31	31
<b>Concurrent Enrollment</b>	Passing grade per district and higher education policy	Passing grade per district and higher education policy
<b>District Capstone</b>	Individualized	Individualized
<b>Industry Certificate</b>	Individualized	Individualized
<b>International Baccalaureate (IB)</b>	4	4
<b>SAT</b>	470	500
<b>Collaboratively Developed Assessment</b>	State-wide scoring criteria	State-wide scoring criteria

### **Grade Level Classification**

Thornton High School students are expected to make regular progress toward graduation. A student must earn at least sixteen (16.0) credits to be classified as a senior.

### **Early Graduation**

Students can apply to graduate early if they complete their graduation requirements by the end of the first semester. Applications are available in the counseling center and must be approved by the counselor, parent, and school administration. Students who are approved for early graduation will not receive a diploma nor participate in a graduation ceremony until the commencement ceremony in May.

### **Participation in the Graduation Ceremony**

In order to participate in the graduation ceremony, students must successfully complete all academic requirements and be in good standing. See student handbook for details.

### **Determination of Valedictorian and Salutatorian**

One valedictorian and one salutatorian for each graduation class are determined using weighted GPAs at the end of the student's high school careers.

*Please refer to the THS Student Handbook for additional information about the determination of valedictorians and salutatorians.*

### **Class Rank**

Class rank is determined based on the weighted cumulative GPA and includes all graded courses on the transcript.

### **Grade Point Average (GPA)**

The student's grade point average (GPA) is an average of all grades attained in relation to the credit value of each course and the number of courses attempted. All graded courses (courses assigning a grade of A, B, C, D or F) are figured into the GPA at semester. Courses graded Pass or Fail instead of a letter grade are not counted in the GPA.

### **Weighted Grades**

Weighted grades will be assigned to courses with the International Baccalaureate (IB) or Advanced Placement (AP) designation, or those that are otherwise approved by the district to be weighted. Students transferring credit into Thornton High School may have credit weighted if it is an IB or AP course. Weighted credit must be requested upon transferring the grades and approved by an administrator.

Pre-IB/MYP (honors) classes are weighted ½ point through the Class of 2022. Starting with the Class of 2023 any CP (honors) course is standard weight. This change was made in alignment with Adams 12 policy.

\*The course titles “PreIB/MYP Spanish I” and “PreIB/MYP French I” are being phased out to align with Adams 12 district course titles. The course content has not changed, this is a course title change only. Although these courses are on students transcripts during the ‘19-’20 school year, the course is standard weight.

IB and AP classes are weighted 1 point.

***Students taking AP or IB classes are required to take the AP and IB exams in May. If a student fails to take the required exam for a class, then the class will be unweighted.***

### **Grade Replacement/ Repeating a Course**

Students who fail or receive a low grade in a class may retake the class (on a space available basis). The student will be awarded the higher grade and the GPA will be recalculated. Upon verification of successful completion, the prior course grade will be replaced with “NG” and the new course grade and credit will be listed on the transcript.

**Please note that grade replacement is not an option for maintaining valedictorian or salutatorian status.**

### **Fees**

Some courses have required fees or materials. These fees and material requirements are listed in the course description. Fees can be paid to the bookkeeper. *Fees are subject to change.*

### **Post-Secondary Options/Outside Credit**

Students in their junior or senior year of high school may be eligible to enroll in coursework at a college or university, with costs reimbursed by the District, provided specific eligibility and academic criteria are satisfied. Parents and students interested in more information about post-secondary enrollment options are encouraged to review the participation guidelines as described in District Policy 6285 or to request information from their student’s counselor. In all cases where outside credit is applied toward high school graduation, the student must seek prior approval through their counselor.

### **Bollman Technical Education Center (BTEC)**

The Bollman Technical Education Center offers programs for students who are seeking technical expertise combined with employability skills and/or certifications. These may be applied while attending a community college, career and technical school, four-year college or university, entering the military, or for entry-level positions beyond high school. Please talk with your counselor if you are interested in any of BTEC’s programs.

## **Advanced Placement**

Some THS students may enroll in Advanced Placement (AP) courses at THS or BTEC. AP offers students the opportunity to take college-level courses while still in high school and to potentially receive college credit for successful performance on the AP exams in May. For more information about AP, please contact the AP Coordinator or visit their website at <https://apstudent.collegeboard.org/home>. Students who enroll in AP courses are required to take the AP exams in May. Students who fail to take the exam will have the class unweighted on their transcript.

## **High School Credit for State-Mandated Assessments (2017-18 and Beyond)**

**PSAT 9/PSAT 10/SAT/CMAS:** Credit is awarded, if at the date of the test administration, the student was an Adams 12 student.

**PSAT 9:** Ninth grade students may earn up to a maximum of .5 credits (.25 Eng/Lang Arts and/or .25 Math).

1. Students will receive the .25 credit of **English/Language Arts** if their PSAT 9 assessment score reflects the following:
  - a) Evidence-Based Reading and Writing (EBRW) score is 410 or higher or
  - b) EBRW student growth percentile of 66 or higher.
2. Students will receive a .25 credit of **Math** if their PSAT 9 Math assessment score reflects the following:
  - a) Mathematics score is 450 or higher or
  - b) Mathematics student growth percentile of 66 or higher

**PSAT 10:** Tenth grade students may earn up to a maximum of .5 credits (.25 Eng/Lang Arts and/or .25 Math)

1. Students will receive the .25 credit of **English/Language Arts** if their PSAT 10 assessment score reflects the following:
  - a) EBRW score is 430 or higher or
  - b) EBRW student growth percentile of 66 or higher.
2. Students will receive a .25 credit of **Math** if their PSAT 10 Math assessment score reflects the following:
  - a) Mathematics score is 480 or higher or
  - b) Mathematics student growth percentile of 66 or higher

**SAT and CMAS:** Eleventh grade students may earn up to a maximum of .75 credits (.25 Eng/Lang Arts, .25 Math, and/or .25 Science)

1. Students will receive the .25 credit of **English/Language Arts** if their SAT assessment score reflects the following:
  - c) EBRW score is 480 or higher or
  - d) EBRW student growth percentile of 66 or higher.

2. Students will receive a .25 credit of **Math** if their SAT Math assessment score reflects the following:
  - a. Mathematics score is 530 or higher or
  - b. Mathematics student growth percentile of 66 or higher
3. Students will receive the .25 credit of **Science** if their CMAS Science score reflects Met or Exceeded Expectations.

# Trojan Athletic Programs

## **Fall Season**

Boys' Cross Country  
Girls' Cross Country  
Girls' Gymnastics  
Girls' Softball  
Girls' Volleyball  
Boys' Soccer  
Boys' Golf  
Football

## **Winter Season**

Boys' Basketball  
Girls' Basketball  
Wrestling

## **Spring Season**

Boys' Track & Field  
Girls' Track & Field  
Boys' Baseball  
Girls' Golf  
Girls' Tennis  
Girls' Soccer

## **Year Long**

Spirit Squad (Cheerleading, Hip-Hop)

# Trojan Activities/Clubs

## Year Long Sponsored Activities

Adventure Club  
ANIME  
Battle of the Books  
DECA  
Drama  
Future Business Leaders of America  
FCCLA  
Fellowship of Christian Students  
FOCUS Dance  
French Club  
Hispanic/Latino Student Union  
IB Student Union  
Key Club  
LINK  
Marching Band  
MESA  
Newspaper  
National Honor Society  
Paranormal Club  
Pay It Forward  
Photography Club  
Pokémon Club  
Spanish Club  
Spectrum (GSA)  
Strength & Conditioning  
Student Congress  
Unified Basketball  
Visual Arts  
Vocal Club  
Yearbook

# Thornton High School Athletic Programs

The athletic programs at Thornton High School are an integral part of your high school experience. The year-to-year characteristics of our programs are:

- Academics before athletics. You are a STUDENT-athlete.
- Multi-sport athletes - playing more than one sport a year.
- Sportsmanship
- Competing at your highest level.

Students who participate in athletics, activities, and/or clubs must remember that they are students first and athletes second. All students are actively encouraged to participate in more than one sport. Please see previous pages for extracurricular offerings at THS.

There are on average three levels for all athletics offered at Thornton High School; C-Level, Junior Varsity, and Varsity. The majority of our sports participate in the 4A Colorado League. Those schools include:

Arvada High School

Eagle Ridge Academy

Fort Lupton High School

Thornton High School

Aurora Central High School

Englewood High School

Skyview High School

Weld Central High School

\*\*\*Trojan Football plays in a different 4A league. Girls' gymnastics also participates in the 5A Front Range League.

In order to participate in activities sponsored by CHSAA or Thornton High School, students must be enrolled in a minimum of five classes EACH semester. Thornton High School follows the following policies for eligibility:

\*\*Incoming Freshman are exempt from eligibility rules from middle school. They start on a clean slate until the first eligibility report is pulled in each season.

*If a student has more than one F in the previous semester, they are required to sit for the first quarter of the fall semester. If a student has more than one F in the previous semester and does not play a fall sport, they can regain eligibility on the date determined by CHSAA.. Students who have more than one F at the end of fall semester, lose their eligibility until the fourth quarter. We continually encourage all our athletes to take responsibility in the classroom to be sure they are eligible to participate.*

# Are you ready to become a Trojan?

Use this checklist for all athletic/activities at THS. This is the best place for you to start your journey as a Trojan!

- Must be in 9th - 12th grade at Thornton High School
- Must be enrolled in and attending classes that offer a total of 2.5 units of credit during the semester of participation and the previous semester. If an athlete drops his/her course load to less than the equivalent of five classes, he/she becomes immediately ineligible.
- Must not be failing at the time of participation more than the equivalent of .50 unit of credit. A student who receives more than .5 credit of "F" at the end of the week will be ineligible the following week. (Some coaches have stricter guidelines for their specific sport).
- Summer school or its equivalent may be used to regain eligibility. The classes taken in summer school must be in the same curricular area as classes previously failed. Students must verify with the Athletic Director that the course enrolled in will be accepted.
- Must have had a physical examination within the calendar year.
- Must have signed the Thornton High School Authorization for Athletic Participation form and the Adams Twelve High School Athletic Code of Conduct.
- Must have a form signed by his/her parents or legal guardian indicating that he/she is covered by an insurance plan.
- Must not have turned 19 before August 1<sup>st</sup>.
- Must not have dropped out of school.
- Must not play more than four seasons in any sport during high school.
- Must not practice with a non-school team in his/her sport while he/she is a member of a Thornton High School team (unless he/she has received prior written consent from the Thornton High School principal).

*\*\*Students participating in Spirit Squad (Cheerleading), Poms, FOCUS, Band, Music, and Speech competitions must meet the credit requirements and eligibility policies listed above.*

	<p><b><u>National Collegiate Athletic Association (NCAA) Eligibility:</u></b></p> <p>If you are planning to enroll in college as a freshman and you wish to participate in Division I or II athletics, you must be certified by the NCAA Initial-Eligibility Center. This process should be started by the end of the junior year or the beginning of the senior year. For the latest eligibility requirements, please visit:</p> <p><a href="http://www.ncaa.org/student-athletes/future/eligibility-center">www.ncaa.org/student-athletes/future/eligibility-center</a></p>
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## **COURSE OFFERINGS**

### **ART**

All art classes can count towards elective or fine art/practical art credit.

#### **FOUNDATION OF ART - 6500**

Grades: 9, 10, 11, 12      Credit: .50

Creative Art—Comprehensive courses provide students with the knowledge and opportunity to explore an art form and to create individual works of art. These courses may also provide a discussion and exploration of career opportunities in the art world. Initial courses cover the language, materials, and processes of a particular art form and the design elements and principles supporting a work of art. As students advance and become more adept, the instruction regarding the creative process becomes more refined, and students are encouraged to develop their own artistic styles. Although Creative Art courses focus on creation, they may also include the study of major artists, art movements, and styles.

#### **JEWELRY DESIGN AND METALSMITHING I/II— 6590, 6591**

Grades: 9, 10, 11, 12      Credit: .50

Jewelry courses apply art and design principles to the creation of jewelry. Typically, students explore using various media, such as ceramic, papier-mache, glass, plastic, copper-enameled, brass, and silver. Course topics include exposure to jewelry of diverse world cultures and the history of jewelry design. Some Jewelry courses may concentrate on metalwork processes such as brazing, soldering, casting, welding, riveting, and finishing as they relate to the creation of jewelry.

#### **Counseling Notes:**

- **Class fee** of \$25.00.
- Must successfully complete Jewelry Design and Metalsmithing I to take Jewelry Design and Metalsmithing II.

#### **DRAWING/PAINTING I/II – 6514, 6515**

Grades: 9, 10, 11, 12      Credit: .50

Drawing/Painting courses cover the same topics as Creative Art—Comprehensive courses, but focus on drawing and painting. In keeping with this attention on two-dimensional work, students typically work with several media (such as pen-and-ink, pencil, chalk, watercolor, tempera, oils, acrylics, and so on), but some courses may focus on only one medium.

#### **Counseling Notes:**

- Must successfully complete Drawing/Painting I to take Drawing/Painting II.

#### **PHOTOGRAPHY I/II (DIGITAL) – 6570, 6575**

Grades: 9, 10, 11, 12      Credit: .50

Photography courses expose students to the materials, processes, and artistic techniques of taking artistic photographs. Students learn about the operation of a camera, composition, lighting techniques, depth of field, filters, camera angles, and film development. The course may cover black-and-white photography, color photography, or both. As students advance, the instruction regarding the creative process becomes more refined, and students are encouraged to develop their own artistic style. These courses may also cover major photographers, art movements, and styles.

**Counseling Notes:**

- **Class fee** of \$30.00.
- Must successfully complete Photography I to take Photography II.

**CERAMICS I/II – 6566, 6567**

Grades: 9, 10, 11, 12      Credit: .50

Ceramics/Pottery courses cover the same topics as Creative Art—Comprehensive courses, but focus on creating three-dimensional works out of clay and ceramic material. Particular attention is paid to the characteristics of the raw materials, their transformation under heat, and the various methods used to create and finish objects.

**Counseling Notes:**

- **Class fee** of \$25.00.
- Must successfully complete Ceramics I to take Ceramics II.

**PRINTMAKING – 6597**

Grades: 9, 10, 11, 12      Credit: .50

Printmaking courses introduce students to a variety of printmaking techniques using processes such as relief printing (monoprint, collagraph block); intaglio (etching and engraving); and perigraphy (silkscreen films, stencils, block-out). These courses emphasize design elements and principles and introduce art criticism as applied to fine art prints. Lessons may also include the historical development of printmaking in Western and non-Western cultures.

**Counseling Notes:**

- **Class fee** of \$30.00.

**SCULPTURE I – 6560**

Grades: 9, 10, 11, 12      Credit: .50

Sculpture courses cover the same topics as Creative Art—Comprehensive courses, but focus on creating three-dimensional works. Students typically work with several media (such as clay, ceramics, wood, metals, textiles, and so on), but some courses may focus on only one medium.

**Counseling Notes:**

- **Class fee** of \$25.00.

**IB ART - PAINTING 2D - 6490**

Grades: 11, 12      Credit: 1

IB Art/Design courses prepare students to take the International Baccalaureate Art/Design exams at either the Standard or Higher level. IB Art/Design courses help develop students' aesthetic and creative faculties, offer training in awareness and criticism of art, and enable students to create quality works of art of their own. Students perform both studio and research work; the research component is designed to investigate particular topics or concepts of interest in further detail. Prerequisite of successful completion of Drawing Painting I/II or teacher approval.

**Counseling Notes:**

- **Class fee** of \$30.00.
- Prerequisite: Successful completion of Drawing Painting I/II or teacher approval.
- Juniors and Senior may test IB SL
- Students in this class are required to take the IB exam. If a student fails to take the IB exam, the grade for this class will be unweighted on the student's transcript.
- This class may be repeated a second year in order to meet the HL testing criteria, upon permission from the teacher and IB coordinator.
- Must successfully complete Drawing/Painting I or preapproval from teachers to take IB Art-Painting 2D.

**IB ART - CERAMICS 3D - 6497**

Grades: 11, 12                      Credit: 1

IB Art/Design courses prepare students to take the International Baccalaureate Art/Design exams at either the Standard or Higher level. IB Art/Design courses help develop students' aesthetic and creative faculties, offer training in awareness and criticism of art, and enable students to create quality works of art of their own. Students perform both studio and research work; the research component is designed to investigate particular topics or concepts of interest in further detail.

**Counseling Notes:**

- **Class fee** of \$30.00.
- Juniors and Senior may test IB SL
- Students in this class are required to take the IB exam. If a student fails to take the IB exam, the grade for this class will be unweighted on the student's transcript.
- This class may be repeated a second year in order to meet the HL testing criteria, upon permission from the teacher and IB coordinator.
- Must successfully complete Ceramics I or preapproval from teachers to take IB Art-Ceramics 3D.

# **BUSINESS, MARKETING, AND TECHNOLOGY**

All business classes can count towards elective or fine art/practical art credit.

## **MARKETING - 7210**

Grades: 10, 11, 12                      Credit: 2 (1 for class, 1 for on-the-job training)

Marketing—Comprehensive courses focus on the wide range of factors that influence the flow of goods and services from the producer to the consumer. Topics may include (but are not limited to) market research, the purchasing process, distribution systems, warehouse and inventory control, salesmanship, sales promotions, shoplifting and theft control, business management, and entrepreneurship. Human relations, computers, and economics are often covered as well. Principles of Marketing courses offer students insight into the processes affecting the flow of goods and services from the producer to the consumer. Course content ranges considerably as general marketing principles such as purchasing, distribution, and sales are covered; however, a major emphasis is often placed on kinds of markets; market identification; product planning, packaging, and pricing; and business management.

### **Counseling Notes:**

- **Class fee** for annual membership dues to affiliate state and national DECA organizations
- Business attire will be required for all competitions and functions and will be included in the student's grade.
- **HIRE Education** credit available. See description at the end of this section.

## **IB BUSINESS AND MANAGEMENT STANDARD LEVEL - 7246**

Grades: 11, 12                      Credit: 1

IB Business and Management courses prepare students to take the International Baccalaureate Business and Management exam at either the Standard or Higher Level. In keeping with Individual and Society courses, IB Business and Management promotes problem-solving by identifying the problem, selecting and interpreting data, applying appropriate analytical tools, and recommending solutions by evaluating their quantitative and qualitative implications. These courses also equip students with knowledge and understanding of business terminology, concepts and principles.

### **Counseling Notes:**

- **Class fee** for annual membership dues to affiliate state and national DECA organizations
- Business-like attire will be required for all competitions and functions.
- Students will be evaluated using CTE workplace standards (participation and attendance).
- May test in IB SL after successful completion.
- NCAA approved core course
- **HIRE Education** credit available. See description at the end of this section.

## **IB BUSINESS AND MANAGEMENT HIGHER LEVEL- 7247**

Grades: 12                              Credit: 1

IB Business and Management courses prepare students to take the International Baccalaureate Business and Management exam at either the Standard or Higher Level. In keeping with Individual and Society courses, IB Business and Management promotes problem-solving by identifying the problem, selecting and interpreting data, applying appropriate analytical tools, and recommending solutions by evaluating their quantitative and qualitative

implications. These courses also equip students with knowledge and understanding of business terminology, concepts and principles.

Counseling Notes:

- **Class fee** for annual membership dues to affiliate state and national DECA organizations
- Business-like attire will be required for all competitions and functions.
- Students in this class are required to take the IB exam. If a student fails to take the IB exam, the grade for this class will be unweighted on the student's transcript.
- Students will be evaluated using CTE workplace standards (participation and attendance).
- May test in IB SL or HL after successful completion.
- NCAA approved core course.
- **HIRE Education** credit available. See description at the end of this section.

### **BUSINESS MANAGEMENT/ENTREPRENEURSHIP - 7265**

Grades: 10, 11, 12      Credit: 1

Business Principles and Management courses are designed to provide students with an understanding of the American business system, its organizations, and its management. These courses examine the various leadership and management styles of a variety of successful business organizations, large or small. Entrepreneurship courses acquaint students with the knowledge and skills necessary to own and operate their own businesses. Topics from several fields typically form the course content: economics, marketing principles, human relations and psychology, business and labor law, legal rights and responsibilities of ownership, business and financial planning, finance and accounting, and communication. Several topics surveyed in Business Management courses may also be included.

### **BUSINESS LAW - 7300**

Grades: 10, 11, 12      Credit: .50

Business Law courses emphasize legal concepts that are relevant to business and business organizations. Topics examined in these courses typically include contracts, buying/renting property, installment buying, insurance, buyer/seller relationships, negotiable instruments, employment, taxes, insurance, commercial papers, legal organizational structures, and consumer liabilities.

### **INTRODUCTION TO BUSINESS - 7330**

Grades: 9, 10      Credit: .50

Introductory Business courses survey an array of topics and concepts related to the field of business. These courses introduce business concepts such as banking and finance, the role of government in business, consumerism, credit, investment, and management. They usually provide a brief overview of the American economic system and corporate organization. Introductory Business courses may also expose students to the varied opportunities in secretarial, accounting, management, and related fields.

### **ACCOUNTING I - 7340**

Grades: 10, 11, 12      Credit: 1

Accounting courses introduce and expand upon the fundamental accounting principles and procedures used in businesses. Course content typically includes the full accounting cycle, payroll, taxes, debts, depreciation, ledger and journal techniques, and periodic adjustments. Students may learn how to apply standard auditing principles and to prepare budgets and final reports. Calculators, electronic spreadsheets, or other automated tools are

usually used. Advanced topics may include elementary principles of partnership and corporate accounting and the managerial uses of control systems and the accounting process.

Counseling Notes:

- This course is strongly recommended for a business major in college, as it is a core requirement for a business degree.
- **Class fee** for FBLA dues.

### **INTRODUCTION TO COMPUTER SCIENCE - 7451**

Grades: 9, 10, 11, 12      Credit: 1

This is a one-year introductory course to computer science. In this course students will learn the fundamentals of programming, using processing, a Java-based, visually-oriented language. Students will write programs that will draw pictures, run animations, create basic algorithms, simulate basic 2D games/applications, and learn language for expressing computations-JAVA. Topics to be covered in this course include variables, conditionals, loops, arrays, and classes. Students will also learn how to use computational tools to help model and understand data.

Counseling Notes:

- Concurrent enrollment or completion of Integrated Math I recommended
- **Class fee of \$20.00**

### **AP COMPUTER SCIENCE PRINCIPLES – 7357**

Grades: 9, 10, 11, 12      Credit: 1

This is a one-year course in AP Computer Science Principles. AP Computer Science Principles introduces students to the central ideas of computer science, instilling the ideas and practices of computational thinking and inviting students to understand how computing changes the world. This rigorous course promotes deep learning of computational content, develops computational thinking skills, and engages students in the creative aspects of the field.

The course is unique in its focus on fostering creativity in students. Students are encouraged to apply creative processes when developing computational artifacts and to think creatively while using simulations to explore questions that interest them. Rather than teaching a particular programming language or tool, the course focuses on using technology and programming as a means to solve computational problems and create exciting and personally relevant artifacts. Students design and implement innovative solutions using an iterative process similar to what artists, writers, computer scientists, and engineers use to bring ideas to life.

This course highlights the relevance of computer science by emphasizing the vital impact advances in computing have on people and society. By focusing the course beyond the study of machines and systems, students have the opportunity to investigate the innovations in other fields that computing has made possible and examine the ethical implications of new computing technologies.

Students will develop a range of skills such as using computational tools to analyze and study data and working with large data sets to analyze, visualize and draw conclusions from trends. Students will also develop effective communication and collaboration skills, working individually and collaboratively to solve problems, and discussing and writing about the importance of these problems and the impacts to their community, society and the world.

Counseling Notes:

Prerequisite: Enrolled or completed Integrated Math II

### **WEB DESIGN - 7375**

Grades: 9, 10, 11, 12      Credit: .50

Students will learn to create, design and publish information on the World Wide Web. Students will become proficient in Web page design using hand coding, and then learn on a web-authoring software. Using HTML, students will transform ideas into publications read for launching on the Web. Students will design detailed and in-depth, interactive websites using cutting edge technology and learn the dynamic possibilities of industry standard web-authoring tools.

Counseling Notes:

- **Class fee** for FBLA dues.

### **ADVANCED WEB DESIGN - 7376**

Grades: 10, 11, 12      Credit: .50

This course continues the skills development from the Web Design course. Students will learn the skills to create interactive websites, and to utilize state of the art tools to create graphics, animations, and sound. Students will expand their knowledge in creation of graphics and movies for the web using Flash technology.

Counseling Notes:

- Class fee of \$20.00 for FBLA dues.
- **HIRE Education** credit available. See description at the end of this section.

### **HIRE EDUCATION (On-the-job-training)**

Potential Credit Earned: .5 - 1.0 credit per year, up to 2.0 credits total toward graduation

Interested students who are enrolled in a pre-approved Career and Technical Education course (CTE) or who have completed the pre-approved CTE pathway, may choose to participate in HIRE Education (on-the-job-training). In Hire Ed, students will have the opportunity to apply their classroom knowledge to their job. Students will work with the Hire Ed coordinator throughout the semester. Students should not enroll in HIRE Education as a separate class on the course registration selection form. The HIRE Education Coordinator will sign students up after courses have begun each semester.

- Students must work a minimum of 125 documented hours to earn .5 credits. Students may **ONLY** earn .5 credit per semester.
- Students must work a minimum of 250 documented hours to earn 1.0 credit for the entire school year.
- Students cannot earn more than 1.0 credit per school year and may **ONLY** earn a maximum of .5 credit per semester.
- Students may not be enrolled in and/or receive credit for more than one HIRE course at a time.
- Students may not count more than 2.0 HIRE Ed credits towards graduation requirements.
  - HIRE Ed credit may not be included in nor does it count toward the 6.0 credit total required yearly for each student.
  - Students must complete a HIRE Ed. Agreement to enroll.
  - A student must pass the CTE course he/she is enrolled in in order to earn HIRE Ed. credit that semester.

# **ENGLISH LANGUAGE DEVELOPMENT**

## **NEWCOMER ELA I - 0974**

Grades 9, 10, 11, 12      Credit: 1.0 (English Credit)

Exploration and Identity: In this course, students will explore their own cultural identities as well as the cultural identities of people from around the world through the study of literature both within and outside the United States. They will also understand how experiences and cultural expectations shape attitudes. Students will solve problems, analyze language, and provide supporting evidence in order to communicate clearly in both writing and speaking.

## **ENGLISH LANGUAGE DEVELOPMENT: ENTERING I - 0905**

Grades: 9, 10, 11, 12      Credit: 1.0

At this level of ELD, students learn to communicate basic needs, wants, opinions, and ideas using phrases and simple sentences. Students develop skills to identify objects, people, and places with respect to familiar and concrete topics as well developing content knowledge through listening and reading. Students learn to follow one-step oral commands and instructions. Students also learn to participate in simple conversations one-on-one and in small groups using general vocabulary related to social and academic content topics.

Counseling Notes:

- Students are assigned to this course based upon ELD placement criteria.

## **ENGLISH LANGUAGE DEVELOPMENT: EMERGING I - 0930**

Grades: 9, 10, 11, 12      Credit: 1.0

At this level of ELD, students learn to clearly communicate in speaking and writing needs, wants, opinions, and ideas using complete thoughts in social and academic contexts. Students will be able to follow multi-step oral commands and instructions. Students learn to participate in conversations one-on-one and in small groups using general and some specific vocabulary related to social and academic content topics. Students learn to identify main idea and facts regarding content knowledge. In writing and speaking, students will experiment with sentence variety by using both simple and compound sentences.

Counseling Notes:

- Students are assigned to this course based upon ELD placement criteria.

## **ENGLISH LANGUAGE DEVELOPMENT: DEVELOPING I - 0940**

Grades: 9, 10, 11, 12      Credit: 1.0

At this level of ELD, students learn to clearly communicate wants, opinions, and complex ideas with confidence and native-like fluency. Students demonstrate content comprehension by asking for clarification, and/or summarizing content while listening or reading. Students learn to understand figurative language used in discussions of familiar topics and begin to respond appropriately to language subtleties: i.e., humor, common idioms, and riddles. Students write about a variety of grade-level content area topics using appropriate format. Students' writing and speaking includes compound and complex sentences with vocabulary specific to content, appropriate transitions, and grammar structures approaching that of a native English writer/speaker.

Counseling Notes:

- Students are assigned to this course based upon ELD placement criteria.

**ENGLISH LANGUAGE DEVELOPMENT: EXPANDING I - 0945**

Grades: 9, 10, 11, 12      Credit: 1.0

At this level of ELD, students learn to clearly communicate information, opinions, abstract ideas, and complex ideas with confidence and fluency. Students increasingly use formal academic language with attention to grammar, vocabulary, intonation, and pronunciation. Students make inferences from an intended message to evaluate arguments and to synthesize content while listening and reading. Students comprehend others to offer opinions and feedback on unfamiliar social and academic content topics. Students demonstrate understanding of genre by choosing format and structure appropriate to purpose, audience, and topic. Students demonstrate reading and listening comprehension by responding appropriately to language subtleties (humor, idioms, irony, sarcasm, and figurative language) and are able to incorporate these features in their own speech and writing similarly to a native speaker.

**Counseling Notes:**

- Students are assigned to this course based upon ELD placement criteria.

# **FAMILY AND CONSUMER SCIENCES**

All FCS classes can count towards elective or fine art/practical art credit.

## **CULINARY NUTRITION - 7608**

Grades: 9, 10, 11, 12      Credit: .50

The purpose of this foods lab based course is to develop healthy individuals with an understanding of healthy and nutritious preparation techniques utilizing various resources and skills.

Emphasis is placed on:

- Preparing nutrient-dense foods
- Implementing healthy nutritional choices
- Sports nutrition
- Exploring careers related to culinary nutrition
- Practicing wise consumer decisions

Counseling Notes:

- **Class fee** of \$20.00.
- CDHE academic elective

## **CATERING - 7610**

Grades: 10, 11, 12      Credit: 1

These courses examine specific topics related to Restaurant, Food, and Beverage Services, such as catering, rather than provide a general study of the industry or of specific topics already described.

Prerequisite: Successful completion of Culinary Nutrition or teacher approval.

Counseling Notes:

- **Class fee** of \$20.00.
- Students choosing to join FCCLA will need to pay state and national dues.
- CDHE academic elective

## **CHILD & ADOLESCENT DEVELOPMENT - 7640**

Grades: 9, 10, 11, 12      Credit: .50

Child & Adolescent Development students will gain a practical understanding of the young child.

This course is a study of the whole child including the role of the parent. Students will study the development of the child from conception, birth and beyond

- Examine the decision making process in becoming a parent.
- Classify theories of child development.
- Compare and contrast the stages of physical, social, emotional and intellectual development of children.
- Examine physical, health and motor development of children.
- Compare how children learn differently between ages 2-12.
- Connect intellectual and social/emotional development to age and abilities of children.

Counseling Notes:

- CDHE academic elective

### **RELATIONSHIPS - 7655**

Grades: 10, 11, 12      Credit: .50

Relationships is a course in communications, relationships, life crisis, and preparation for various stages of life. Areas of study will include:

- Apply adult communication skills.
- Evaluate the impact of life crisis on individuals and the family.
- Explain the stages and transitions between life cycles. (Single life, dating, marriage, parenting, death and dying.)

Counseling Notes:

- CDHE academic elective

### **INDEPENDENT LIVING - 7665**

Grades: 11, 12      Credit: .50

Do you plan to live on your own? Will you be able to make responsible decisions about everyday life situations?

Independent Living is a course that is designed to help students make the transition from high school to adulthood.

Areas of study include:

- Explore college/career planning.
- Managing credit and finances.
- Connect problem solving and decision making skills.
- Develop and practice good consumer skills.

Counseling Notes:

- CDHE academic elective

# **ENGLISH LANGUAGE ARTS**

## **ENGLISH 9 - LITERATURE AND COMPOSITION - 1908**

Grades: 9

Credit: 1

Exploration and Identity: In this course, students will explore their own cultural identities as well as the cultural identities of people from around the world through the study of literature both within and outside the United States. They will also understand how experiences and cultural expectations shape attitudes. Students will solve problems, analyze language, and provide supporting evidence in order to communicate clearly in both writing and speaking.

Counseling Notes:

- NCAA approved core course
- CDHE approved core course

## **COLLEGE PREPARATORY (C.P.) ENGLISH 9 - LITERATURE AND COMPOSITION - 1907**

### **Literature and Composition—Exploration of Identity**

Grades: 9

Credit: 1

Exploration and Identity: In this course, students will explore their own cultural identities as well as the cultural identities of people from around the world through the study of literature both within and outside the United States. They will also understand how experiences and cultural expectations shape attitudes. Students will solve problems, analyze language, and provide supporting evidence in order to communicate clearly in both writing and speaking.

Counseling Notes:

- NCAA approved core course
- CDHE approved core course

## **ENGLISH 10 - LITERATURE AND COMPOSITION - 1180**

Grades: 10

Credit: 1

Big Ideas Reflected in Literature: This course will focus on a literary exploration of human thought and the great ideas that humanity has expressed through literature. The “Big Ideas” are as follows: The individual within or versus society, the creation/organization of society/government, social justice, ethics, and innovation/exploration. Students will participate in a variety of inquiry based learning activities and discussions. They will write narrative, informative, analytical, and persuasive pieces, and read to explore the relationship between a work’s historical or cultural context and the impact of the work itself on humanity. Readings will include a range of literature from the United States and around the world.

Counseling Notes:

- NCAA approved core course
- CDHE approved core course.

**CP ENGLISH 10 LIT & COMP – 1181****Literature and Composition—Exploration of Identity**

Grades: 10

Credit: 1

Big Ideas Reflected in Literature: This course will focus on a literary exploration of human thought and the great ideas that humanity has expressed through literature. The “Big Ideas” are as follows: The individual within or versus society, the creation/organization of society/government, social justice, ethics, and innovation/exploration. Students will participate in a variety of inquiry based learning activities and discussions. They will write narrative, informative, analytical, and persuasive pieces, and read to explore the relationship between a work’s historical or cultural context and the impact of the work itself on humanity. Readings will include a range of literature from the United States and around the world.

## Counseling Notes:

- NCAA approved core course
- CDHE approved core course

**IB LANGUAGE A STANDARD LEVEL I- 1191**

Grades: 11

Credit: 1

English/Language Arts (11th grade) courses continue to develop students’ writing skills, emphasizing clear, logical writing patterns, word choice, and usage, as students write essays and begin to learn the techniques of writing research papers. Students continue to read works of literature, which often form the backbone of the writing assignments. Literary conventions and stylistic devices may receive greater emphasis than in previous courses.

IB Language A (English) courses prepare students to take the International Baccalaureate Language A exams at either the Standard or Higher level. Course content includes in-depth study of literature chosen from the appropriate IB list of texts and authors and written analyses of this literature in addition to other oral and written assignments. All course content is designed to improve students’ accuracy and fluency in the English language.

## Counseling Notes:

- NCAA approved core course
- CDHE approved core course

**IB LANGUAGE A STANDARD LEVEL II- 1192**

Grades: 12

Credit: 1

English/Language Arts (12th grade) courses blend composition and literature into a cohesive whole as students write critical and comparative analyses of selected literature, continuing to develop their language arts skills. Typically, students primarily write multi-paragraph essays, but they may also write one or more major research papers.

IB Language A (English) courses prepare students to take the International Baccalaureate Language A exams at either the Standard or Higher level. Course content includes in-depth study of literature chosen from the appropriate IB list of texts and authors and written analyses of this literature in addition to other oral and written assignments. All course content is designed to improve students’ accuracy and fluency in the English language.

## Counseling Notes:

- NCAA approved core course
- CDHE approved core course

### **IB WORLD LITERATURE I HIGHER LEVEL- 1145**

Grades: 11                      Credit: 1

IB Language A (English) courses prepare students to take the International Baccalaureate Language A exams at either the Standard or Higher level. Course content includes in-depth study of literature chosen from the appropriate IB list of texts and authors and written analyses of this literature in addition to other oral and written assignments. All course content is designed to improve students' accuracy and fluency in the English language.

Counseling Notes:

- NCAA approved core course
- CDHE approved core course

### **IB WORLD LITERATURE II HIGHER LEVEL- 1147**

Grades: 12                      Credit: 1

IB Language A (English) courses prepare students to take the International Baccalaureate Language A exams at either the Standard or Higher level. Course content includes in-depth study of literature chosen from the appropriate IB list of texts and authors and written analyses of this literature in addition to other oral and written assignments. All course content is designed to improve students' accuracy and fluency in the English language.

Counseling Notes:

- **Prerequisite** – World Literature I Higher Level
- Students in this class are required to take the IB exam. If a student fails to take the IB exam, the grade for this class will be unweighted on the student's transcript.
- NCAA approved core course
- CDHE approved core course

# **MATHEMATICS**

## **INTEGRATED MATH I— 2250**

Grades: 9

Credit: 1

Integrated Math I begins the integrated development of high school mathematics. Students will develop the ability to recognize and describe important patterns that relate quantitative variables, visual relationships and statistical relationships; to use data tables, graphs, words and symbols to represent these relationships; and to use reasoning and calculating tools to answer questions and solve problems. Focused units of study include: variables and functions, algebraic expressions and recurrence relations; coordinate graphing, data tables and spreadsheets; equations and inequalities. Other topics include distributions of data, dot plots, histograms, and box plots; measures of center and their properties and measures of variability. Linear functions, slope of line, rate of change, data patterns, solving linear equations and inequalities, and equivalent linear expressions are included. The concepts of exponential growth and decay functions, data modeling, growth and decay rates, half-life and doubling time, compound interest, and properties of exponents will be developed. In the math standard of Shape and Geometric Relationships students will cover triangle inequality, congruence conditions, special quadrilaterals, Pythagorean Theorem, properties of polygons, and properties of polyhedral and Platonic solids. The math standard of Patterns, Functions, and Algebraic Relationships continues with quadratic functions and their graphs, applications to projectile motion and economic problems, expanding and factoring quadratic expressions, and solving quadratic equations. The math standard of Statistics and Probability is explored including sample spaces, equally-likely outcomes, probability distributions, mutually exclusive events, Addition Rule, simulation, random digits, discrete and continuous random variable, Law of Large Numbers, and geometric probability

Counseling Notes:

- NCAA approved core course.
- CDHE approved core course.

## **INTEGRATED MATH II— 2160**

Grades: 9, 10, 11

Credit: 1

Integrated Math II continues by reviewing and extending students' abilities to recognize, describe, and use functional relationships among quantitative variables, with an emphasis on relationships that involve two or more independent variables. Students will also work on strengthening their understanding of coordinate methods for representing and analyzing properties of geometric shapes and describing geometric change. In the unit of regression and correlation students will work on understanding the characteristics and interpretation of the least square regression equations and the use of correlation to measure the strength of linear association between two variables. Within the standard of Patterns, Functions, and Algebraic Methods students will be introduced to function notation, constructing and reasoning with functions that model parabolic shapes and other quadratic relationships with more emphasis on symbolic reasoning methods and introducing common logarithms and algebraic methods for solving exponential equations. Trigonometric methods will develop student understanding of trigonometric functions and the ability to use trigonometric methods to solve triangulation and indirect measurement problems. Final units in Course 2 will increase students' abilities to understand and visualize situations involving chance by using simulation and mathematical analysis to construct probability distributions.

Counseling Notes:

- Successful completion of Integrated Math I recommended
- NCAA approved core course.
- CDHE approved core course.

### **INTEGRATED MATH III - 2165**

Grades: 9, 10, 11, 12      Credit: 1

Integrated Math III continues the integrated development of high school mathematics along the interwoven strands of algebra, functions, geometry, trigonometry, statistics and probability. Focused units of study connect these strands through an emphasis on reasoning and proof in geometric, algebraic, and statistical contexts and of basic principles that underlie those reasoning strategies. Inequalities and linear programming will extend students' ability to reason both algebraically and graphically with topics that include inequalities in one and two variables including absolute value and quadratic inequalities. Students will extend their understanding to similarity and congruence and use those relations to solve problems and to prove geometric assertions with and without the use of coordinates. Students will work on developing an understanding of the measurement of variability including normal distribution, standardized scores and binomial distributions. Polynomial and rational functions will extend students' abilities to represent and draw inferences using symbolic expressions and manipulations. The last units of study for this course will focus upon circles and circular functions, recursion and iteration, and finally inverse functions with a focus on logarithmic functions and their use in modeling and analyzing problem situations and data patterns.

Integrated Math courses emphasize the teaching of mathematics as problem solving, communication, and reasoning, and emphasize the connections among mathematical topics and between mathematics and other disciplines. The multi-period sequence of Integrated Math replaces the traditional Algebra I, Geometry, Algebra II sequence of courses, and usually covers the following topics during a three- or four-year sequence: algebra, functions, geometry from both a synthetic and an algebraic perspective, trigonometry, statistics and probability, discrete mathematics, the conceptual underpinnings of calculus, and mathematical structure.

Counseling Notes:

- Successful completion of Integrated Math II is recommended.
- NCAA approved core course.
- CDHE approved core course.

***Please note:** Adams 12 Five Star Schools is in the process of updating its high school math courses and is currently piloting new primary resources for math courses beginning in the 2019-20 school year. As such, the courses currently titled Contemporary Math I, II, & III will have different titles next year that fully align to the course updates. Students should register for the appropriate level/course currently listed and schools will move the selection to the appropriate corresponding course once titles have been finalized. All credit earned in previous Contemporary Math classes will continue to count toward graduation and will still be honored by approved post-secondary institutions.*

### **MATH ANALYSIS - 2125**

Grades: 11, 12      Credit: 1

Math Analysis courses include the study of polynomial, logarithmic, exponential, and rational functions and their graphs; vectors; set theory; Boolean algebra and symbolic logic; mathematical induction; matrix algebra; sequences and series; and limits and continuity. They may also include some study of trigonometry and/or pre-calculus topics. Elementary Functions courses, while preparing students for eventual work in calculus, include the study of relations and functions, including polynomial, logarithmic, exponential, rational, right trigonometric, and circular functions, and their inverses, graphs, and applications.

Counseling Notes:

- Successful completion of Contemporary Math III is recommended.
- NCAA approved core course.
- CDHE approved core course.
- Available as concurrent enrollment through CU Succeed

### **IB ANALYSIS AND APPROACHES SL I - 2191**

Grades: 11, 12                      Credit: 1

This is the first year of a two year course.

This course recognizes the need for analytical expertise in a world where innovation is increasingly dependent on a deep understanding of mathematics. This course includes topics that are both traditionally part of a pre-university mathematics course (for example, functions, trigonometry, calculus) as well as topics that are amenable to investigation, conjecture and proof, for instance the study of sequences and series.

The course allows the use of technology, as fluency in relevant mathematical software and hand-held technology is important regardless of choice of course. However, there is a strong emphasis on the ability to construct, communicate and justify correct mathematical arguments. There will be a recognition that the development of mathematical thinking is important for a student.

Counseling Notes:

- Must successfully complete IB Analysis and Approaches I and II to test IB SL.

### **IB ANALYSIS AND APPROACHES SL II - 2192**

Grades: 11, 12                      Credit: 1

This is the second year of a two year course.

This course recognizes the need for analytical expertise in a world where innovation is increasingly dependent on a deep understanding of mathematics. This course includes topics that are both traditionally part of a pre-university mathematics course (for example, functions, trigonometry, calculus) as well as topics that are amenable to investigation, conjecture and proof, for instance the study of sequences and series.

The course allows the use of technology, as fluency in relevant mathematical software and hand-held technology is important regardless of choice of course. However, there is a strong emphasis on the ability to construct, communicate and justify correct mathematical arguments. There will be a recognition that the development of mathematical thinking is important for a student.

Counseling Notes:

- Must successfully complete Analysis and Approaches I and II to test IB SL
- Students in this class are required to take the IB exam. If a student fails to take the IB exam, the grade for this class will be unweighted on the student's transcript.
- NCAA approved core course
- CDHE approved core course.

### **IB APPLICATIONS AND INTERPRETATION SL I - 2193**

Grades 11, 12                      Credit: 1

This is the first year of a two year course.

This course recognizes the increasing role that mathematics and technology play in a diverse range of fields in a data-rich world. As such, it emphasizes the meaning of mathematics in context by focusing on topics that are often used as applications or in mathematical modelling. To give this understanding a firm base, this course also includes topics that are traditionally part of a pre-university mathematics course such as calculus and statistics.

The course makes extensive use of technology to allow students to explore and construct mathematical models. Mathematics: applications and interpretation will develop mathematical thinking, often in the context of a practical problem and using technology to justify conjectures.

Counseling Notes:

- Must successfully complete IB Applications and Interpretation I and II to test IB SL.

### **IB APPLICATIONS AND INTERPRETATION SL II - 2194**

Grades: 12                      Credit: 1

This is the second year of a two year course.

This course recognizes the increasing role that mathematics and technology play in a diverse range of fields in a data-rich world. As such, it emphasizes the meaning of mathematics in context by focusing on topics that are often used as applications or in mathematical modelling. To give this understanding a firm base, this course also includes topics that are traditionally part of a pre-university mathematics course such as calculus and statistics.

The course makes extensive use of technology to allow students to explore and construct mathematical models. Mathematics: applications and interpretation will develop mathematical thinking, often in the context of a practical problem and using technology to justify conjectures.

Counseling Notes:

- Must successfully complete Applications and Interpretation I and II to test IB SL
- Students in this class are required to take the IB exam. If a student fails to take the IB exam, the grade for this class will be unweighted on the student's transcript.
- NCAA approved core course
- CDHE approved core course.

### **DISCRETE MATH - 2903**

Grades: 11, 12                      Credit: 1

Discrete Mathematics courses include the study of topics such as number theory, discrete probability, set theory, symbolic logic, Boolean algebra, combinatorics, recursion, basic algebraic structures and graph theory.

Counseling Notes:

- Successful completion of Contemporary Math III is recommended.
- NCAA approved core course.
- CDHE approved core course.
- This class is specifically designed for college bound students whose career goals are non-technical in nature and do not require a strong math/science background.

### **ADVANCED PLACEMENT CALCULUS B/C - 2005**

Grades: 12                      Credit: 1

Following the College Board's suggested curriculum designed to parallel college-level calculus courses, AP Calculus BC courses provide students with an intuitive understanding of the concepts of calculus and experience with its methods and applications, and also require additional knowledge of the theoretical tools of calculus. These courses assume a thorough knowledge of elementary functions, and cover all of the calculus topics in AP Calculus AB as well as the following topics: vector functions, parametric equations, and polar coordinates; rigorous definitions of finite and nonexistent limits; derivatives of vector functions and parametrically defined functions; advanced techniques of integration and advanced applications of the definite integral; and sequences and series.

Counseling Notes:

- Earning an A or B in each semester of IB Mathematics Methods I or completion of IB Mathematics II is recommended.
- Students in this class are required to take the AP exam. If a student fails to take the AP exam, the grade for this class will be unweighted on the student's transcript.
- NCAA approved core course.
- CDHE approved core course.
- Available as concurrent enrollment through CU Succeed

# **MUSIC**

All music classes can count towards elective or fine art/practical art credit.

## **BEGINNING CHOIR - 6265**

Grades: 9, 10, 11, 12      Credit: 1

Chorus courses provide the opportunity to sing a variety of choral literature styles for men's and/or women's voices and are designed to develop vocal techniques and the ability to sing parts.

Counseling Notes:

- Entry level course - no singing experience required
- **Class fee** of \$15.00.
- Course may be repeated for elective credit.
- CDHE approved academic elective.

## **WOMEN'S CHOIR - 6000**

Grades: 9, 10, 11, 12      Credit: 1

Chorus courses provide the opportunity to sing a variety of choral literature styles for men's and/or women's voices and are designed to develop vocal techniques and the ability to sing parts.

Counseling Notes:

- Intermediate level course - some singing experience required
- **Class fee** of \$15.00.
- Course may be repeated for elective credit.
- CDHE approved academic elective.

## **MEN'S CHOIR - 6005**

Grades: 9, 10, 11, 12      Credit: 1

Chorus courses provide the opportunity to sing a variety of choral literature styles for men's and/or women's voices and are designed to develop vocal techniques and the ability to sing parts.

Counseling Notes:

- Intermediate level course - some singing experience required
- **Class fee** of \$15.00.
- Course may be repeated for elective credit.
- CDHE approved academic elective.

## **CHORALE CHOIR I & II - 6025/6026**

Grades: 10, 11, 12      Credit: 1

Vocal Ensemble courses are intended to develop vocal techniques and the ability to sing parts in small ensemble or madrigal groups. Course goals may include the development of solo singing ability and may emphasize one or several ensemble literature styles.

Counseling Notes:

- Advanced level course - Audition required; prior choir experience recommended
- **Class fee** of \$15.00.
- Course may be repeated for elective credit.
- CDHE approved academic elective
- Placement is not guaranteed and is dependent upon student's graduation plan and academic schedule

### **GUITAR -**

Grades 9, 10, 11, 12      Credit: 1

Guitar class covers all aspects of playing guitar, including instrument basics, fundamental musicianship, and ensemble playing skills. Students will learn music reading and notation skills, as well as proper technique and care of the instrument. Musical selections will be drawn from a variety of styles, and students will also have the opportunity to select pieces that interest them. This course is intended for students of all ability levels and may be re-taken for credit.

#### Counseling Notes:

- **\*\*There is a \$20 class fee pending school board approval\*\***
- Students are encouraged to bring their own guitar, but may borrow one from the school for this class.
- May enroll in the course at semester.

### **SYMPHONIC BAND - 6140**

Grades: 9, 10, 11, 12      Credit: .50

Courses in Concert Band are designed to promote students' technique for playing brass, woodwind, and percussion instruments and cover a variety of band literature styles, primarily for concert performances.

Prerequisites: Prior playing experience. Audition for placement in Wind Ensemble/Symphonic Band will occur following Marching Band.

#### Counseling Notes:

- **Class fee** of \$35.00.
- Students must provide their own instruments. A limited number of school instruments are available for a fee.
- Time outside of class is required.
- Course may be repeated for elective credit.
- CDHE approved academic elective.
- Placement is not guaranteed and is dependent upon student's graduation plan and academic schedule

### **SYMPHONIC ORCHESTRA - 6190**

Grades: 9, 10, 11, 12      Credit: 1

Orchestra courses are designed to develop students' abilities to play brass, woodwind, percussion, and string instruments, covering a variety of string and orchestral literature styles.

#### Counseling Notes:

- Prerequisites: Previous playing experience and audition with the instructor.
- **Class fee** of \$15.00.
- Time outside class is required.

- Students must provide their own instruments. A limited number of school instruments are available for a fee.
- Course may be repeated for credit.
- CDHE approved academic elective.
- Placement is not guaranteed and is dependent upon student's graduation plan and academic schedule

### **CONCERT ORCHESTRA - 6240**

Grades: 9, 10, 11, 12      Credit: 1

Orchestra courses are designed to develop students' abilities to play brass, woodwind, percussion, and string instruments, covering a variety of string and orchestral literature styles.

#### Counseling Notes:

- Prerequisite: Previous playing skills.
- **Class fee** of \$15.00.
- Time outside class is required.
- Students must provide their own instruments. A limited number of school instruments are available for a fee.
- Course may be repeated for credit.
- CDHE approved academic elective.
- Placement is not guaranteed and is dependent upon student's graduation plan and academic schedule

### **WIND ENSEMBLE - 6152**

Grades: 9, 10, 11, 12      Credit: 1

Courses in Concert Band are designed to promote students' technique for playing brass, woodwind, and/or percussion instruments and cover a variety of band literature styles, primarily for concert performances.

#### Counseling Notes:

- Prerequisite: Audition with the instructor
- **Class fee** of \$35.00
- Students must provide their own instruments. A limited number of school instruments are available for a fee.
- Time outside of class is required.
- Course may be repeated for credit.
- CDHE approved academic elective.
- Placement is not guaranteed and is dependent upon student's graduation plan and academic schedule

# **PHYSICAL EDUCATION**

All PE classes can count towards PE or elective credit.

## **HEALTHY CHOICES - 4110**

Grades: 9, 10                      Credit: .50

Topics covered within Health Education courses may vary widely, but typically include personal health (nutrition, mental health and stress management, drug/alcohol abuse prevention, disease prevention, and first aid) and consumer health issues. The courses may also include brief studies of environmental health, personal development, and/or community resources. This is a required class for all students in either 9th or 10th grade.

## **POSITIVE P.E. – 4010**

Grades: 10, 11,12                  Credit: 1

These courses provide physical education activities (sports, fitness, and conditioning) adapted for students with special needs.

## **POSITIVE P.E. AIDE – 4030**

Grades: 10, 11, 12                  Credit: 1

Physical, Health, and Safety Education—Aide courses offer students the opportunity to assist instructors in preparing, organizing, or delivering course curricula. Students may provide tutorial or instructional assistance to other students.

Counseling Notes:

- Students will be working one on one with a special needs student.
- This course can be repeated for Physical Education credit.
- **Class fee** of \$16.00 for required PE uniform.

## **TEAM SPORTS I/II – 4150/4151**

Grades: 9, 10, 11, 12              Credit: .50

Team Sports courses provide students with knowledge, experience, and an opportunity to develop skills in more than one team sport (such as volleyball, basketball, soccer, and so on).

Counseling Note:

- **Class fee** of \$16.00 for required PE uniform.

## **INTRODUCTION TO FITNESS – 4190**

Grades: 9, 10, 11,12              Credit: .50

Fitness/Conditioning Activities courses emphasize conditioning activities that help develop muscular strength, flexibility, and cardiovascular fitness.

Health and Fitness courses combine the topics of Health Education courses (nutrition, stress management, substance abuse prevention, disease prevention, first aid, and so on) with an active fitness component (typically

including aerobic activity and fitness circuits) with the intention of conveying the importance of lifelong wellness habits.

Counseling Note:

- **Class fee** of \$16.00 for required PE uniform.

### **RECREATIONAL SPORTS - 4210**

Grades: 9, 10, 11, 12      Credit: .50

Recreation Sports courses provide students with knowledge, experience, and an opportunity to develop skills in more than one recreational sport or outdoor pursuit (such as adventure activities, croquet, Frisbee, wall climbing, bocce ball, fishing, hiking, cycling, and so on).

Counseling Notes:

- **Class fee** of \$25.00 plus \$16.00 for required PE uniform. .

### **WEIGHT TRAINING I/II – 4290/4295**

Grades: 9, 10, 11, 12      Credit: .50

Weight Training courses help students develop knowledge and skills with free weights and universal stations while emphasizing safety and proper body positioning; they may include other components such as anatomy and conditioning.

Counseling Notes:

- Weight Training I and Weight Training II may not be taken in the same semester.
- Class may be repeated for elective credit
- **Class fee** of \$16.00 for required PE uniform.

### **WOMEN'S FITNESS - 4331**

Grades: 9, 10, 11, 12      Credit: .50

Fitness/Conditioning Activities courses emphasize conditioning activities that help develop muscular strength, flexibility, and cardiovascular fitness.

Health and Fitness courses combine the topics of Health Education courses (nutrition, stress management, substance abuse prevention, disease prevention, first aid, and so on) with an active fitness component (typically including aerobic activity and fitness circuits) with the intention of conveying the importance of lifelong wellness habits.

Counseling Note:

- **Class fee** of \$16.00 for required PE uniform.

# **SCIENCE**

## **BIOLOGY - 5020**

Grades: 9

Credit: 1

Biology courses are designed to provide information regarding the fundamental concepts of life and life processes. These courses include (but are not restricted to) such topics as cell structure and function, general plant and animal physiology, genetics, and taxonomy.

### **Counseling Notes:**

- NCAA approved core course.
- CDHE approved core course.

## **COLLEGE PREPARATORY (C.P.) BIOLOGY - 5026**

Grades: 9

Credit: 1

This year-long, college-prep course covers the same content as Biology in greater breadth and depth, including a greater emphasis on the mathematical and chemical basis for biological concepts. Dissections will be performed.

### **Counseling Notes:**

- NCAA approved core course.
- CDHE approved core course.

## **CHEMISTRY - 5070**

Grades: 10, 11, 12

Credit: 1

This year-long course studies matter, its structure, properties and composition, and the changes it undergoes. Chemistry encourages development of analytical and problem solving skills through labs and activities, class discussions, literacy activities, lecture and individual practice. Laboratory work and group activities provides a basis for introducing and reinforcing conceptual understanding of chemical concepts. Students must actively and constructively participate in group activities and guided practice on a daily basis.

### **Counseling Notes:**

- **Class fee** of \$10.00.
- NCAA approved core course.
- CDHE approved core course.

## **CP CHEMISTRY - 5080**

Grades: 10

Credit: 1

"Big Ideas Reflected in Literature: This course will focus on a literary exploration of human thought and the great ideas that humanity has expressed through literature. The "Big Ideas" are as follows: The individual within or versus society, the creation/organization of society/government, social justice, ethics, and innovation/exploration. Students will participate in a variety of inquiry based learning activities and discussions. They will write narrative, informative, analytical, and persuasive pieces, and read to explore the relationship between a work's historical or cultural context and the impact of the work itself on humanity. Readings will include a range of literature from the United States and around the world."

Counseling Notes:

- **Class fee** of \$10.00.
- NCAA approved core course.
- CDHE approved core course

### **C.P. ANATOMY & PHYSIOLOGY – 5035**

Grades: 11, 12                      Credit: 1

Usually taken after a comprehensive initial study of biology, Anatomy and Physiology courses present the human body and biological systems in more detail. In order to understand the structure of the human body and its functions, students learn anatomical terminology, study cells and tissues, explore functional systems (skeletal, muscular, circulatory, respiratory, digestive, reproductive, nervous, and so on), and may dissect mammals.

Counseling Notes:

- Prerequisites: C or better in Biology or Physics and C or better in CMIC I. Must have 2 credits out of the following: Freshmen Biology, Sophomore Chemistry, Environmental Science or Physics.
- **Class fee** of \$10.00.
- NCAA approved core course.
- CDHE approved core course.

### **IB ENVIRONMENTAL SYSTEMS IN SOCIETY - 5054**

Grades: 11, 12                      Credit: 1

IB Environmental Systems courses prepare students to take the International Baccalaureate Environmental Systems exam at the Standard level by providing them with the knowledge, methods, and techniques to understand the nature and functioning of natural systems, the relationships that affect environmental equilibrium, and human impact on the biosphere. Topics also include ecosystem integrity and sustainability, students' own relationships to the environment, and the nature of internationalism in resolving major environmental issues

Counseling Note:

- May test IB SL after successful completion.
- Students in this class are required to take the IB exam. If a student fails to take the IB exam, the grade for this class will be unweighted on the student's transcript.
- NCAA approved core course.
- CDHE approved core course

### **IB BIOLOGY I - 5057**

Grades: 11                              Credit: 1

IB Biology courses prepare students to take the International Baccalaureate Biology exams at either the Standard or Higher level. In keeping with the general aim of IB Experimental Sciences courses, IB Biology promotes understanding of the facts, principles, and concepts underlying the biological field; critical analysis, evaluation, and generation of scientific information and hypotheses; improved ability to communicate scientific ideas; and an awareness of the impact of biology and scientific advances in biology upon both society and issues of ethical, philosophical, and political importance. Course content varies, but includes study of living organisms from the cellular level through functioning entities within the biosphere. Laboratory experimentation is an essential component of these courses.

Counseling Notes:

- NCAA approved core course.
- CDHE approved core course

**IB BIOLOGY II - 5060**

Grades: 12                      Credit: 1

IB Biology courses prepare students to take the International Baccalaureate Biology exams at either the Standard or Higher level. In keeping with the general aim of IB Experimental Sciences courses, IB Biology promotes understanding of the facts, principles, and concepts underlying the biological field; critical analysis, evaluation, and generation of scientific information and hypotheses; improved ability to communicate scientific ideas; and an awareness of the impact of biology and scientific advances in biology upon both society and issues of ethical, philosophical, and political importance. Course content varies, but includes study of living organisms from the cellular level through functioning entities within the biosphere. Laboratory experimentation is an essential component of these courses.

Counseling Notes:

- Prerequisite - Successful completion of IB Biology I.
- May test SL or HL after successful completion.
- Students in this class are required to take the IB exam. If a student fails to take the IB exam, the grade for this class will be unweighted on the student's transcript.
- NCAA approved core course.
- CDHE approved core course

**IB CHEMISTRY I - 5085**

Grades: 11                      Credit: 1

IB Chemistry courses prepare students to take the International Baccalaureate Chemistry exams at either the Standard or Higher level. In keeping with the general aim of IB Experimental Sciences courses, IB Chemistry promotes understanding of the facts, patterns, and principles underlying the field of chemistry; critical analysis, evaluation, prediction, and generation of scientific information and hypotheses; improved ability to communicate scientific ideas; and an awareness of the impact of chemistry and scientific advances in chemistry upon both society and issues of ethical, philosophical, and political importance. Course content varies, but includes the study of the materials of the environment, their properties, and their interaction. Laboratory experimentation is an essential part of these courses.

Counseling Notes:

- Course fee of \$10.00
- NCAA approved core course.
- CDHE approved core course
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**IB CHEMISTRY II - 5090**

Grades: 12                      Credit: 1

IB Chemistry courses prepare students to take the International Baccalaureate Chemistry exams at either the Standard or Higher level. In keeping with the general aim of IB Experimental Sciences courses, IB Chemistry promotes understanding of the facts, patterns, and principles underlying the field of chemistry; critical analysis,

evaluation, prediction, and generation of scientific information and hypotheses; improved ability to communicate scientific ideas; and an awareness of the impact of chemistry and scientific advances in chemistry upon both society and issues of ethical, philosophical, and political importance. Course content varies, but includes the study of the materials of the environment, their properties, and their interaction. Laboratory experimentation is an essential part of these courses.

Counseling Notes:

- Prerequisite - Successful completion of IB Chemistry I.
- Course fee of \$10.00
- May test SL or HL after successful completion.
- Students in this class are required to take the IB exam. If a student fails to take the IB exam, the grade for this class will be unweighted on the student's transcript.
- Non-IB Diploma students may take this class for elective or science credit.
- NCAA approved core course
- CDHE approved core course.

**PHYSICS – 5100**

Grades: 11, 12                      Credit: 1

Physics courses involve the study of the forces and laws of nature affecting matter, such as equilibrium, motion, momentum, and the relationships between matter and energy. The study of physics includes examination of sound, light, and magnetic and electric phenomena.

Counseling Note:

- NCAA approved core course.
- CDHE approved core course.
- Option for students who were unable to successfully complete 1 or 2 semesters of 9<sup>th</sup> grade Biology or 10<sup>th</sup> grade Chemistry.

**C.P. PHYSICS - 5105**

Grades: 11, 12                      Credit: 1

Usually taken after a comprehensive initial study of physics, Physics—Advanced Studies courses provide instruction in laws of conservation, thermodynamics, and kinetics; wave and particle phenomena; electromagnetic fields; and fluid dynamics.

Counseling Notes:

- Prerequisite: C or better in or concurrent enrollment in CMIC III.  
Must have 2 credits out of the following: Freshmen Biology, Sophomore Chemistry, Environmental Science or Physics.
- The course is recommended for students pursuing careers in science or science-related field.
- NCAA approved core course.
- CDHE approved core course.

**IB PHYSICS I - 5108**

Grades: 11, 12                      Credit: 1

IB Physics courses prepare students to take the International Baccalaureate Physics exams at either the Standard or Higher level. In keeping with the general aim of IB Experimental Sciences courses, IB Physics promotes understanding of the facts, patterns, and principles underlying the field of physics; critical analysis, prediction, and application of scientific information and hypotheses; improved ability to communicate scientific ideas; and an awareness of the impact of scientific advances in physics upon both society and issues of ethical, philosophical, and political importance. Course content varies, but includes the study of the fundamental laws of nature and the interaction between concepts of matter, fields, waves, and energy. Laboratory experimentation is essential; calculus may be used in some courses.

**Counseling Note:**

- Prerequisite - Students must have received a B or better in Integrated Math III, Algebra II or Algebra Geometry III and be concurrently enrolled in Integrated Math III, IB Analysis and Approaches SL I, or IB Applications and Interpretations SL I.
- NCAA approved core course
- CDHE approved core course.

**IB PHYSICS II- 5109**

Grades: 12

Credit: 1

IB Physics courses prepare students to take the International Baccalaureate Physics exams at either the Standard or Higher level. In keeping with the general aim of IB Experimental Sciences courses, IB Physics promotes understanding of the facts, patterns, and principles underlying the field of physics; critical analysis, prediction, and application of scientific information and hypotheses; improved ability to communicate scientific ideas; and an awareness of the impact of scientific advances in physics upon both society and issues of ethical, philosophical, and political importance. Course content varies, but includes the study of the fundamental laws of nature and the interaction between concepts of matter, fields, waves, and energy. Laboratory experimentation is essential; calculus may be used in some courses.

**Counseling Notes:**

- Prerequisite - Successful completion of IB Physics I.
- Class fee of \$10.00
- Students in this class are required to take the IB exam. If a student fails to take the IB exam, the grade for this class will be unweighted on the student's transcript.
- May test SL or HL after successful completion.
- Non- IB Diploma students may take this class for elective credit or Science.
- NCAA approved core course
- CDHE approved core course.

**ENVIRONMENTAL SCIENCE I & II – 5201 & 5202**

Grades: 11, 12

Credit: .50

Environmental Science courses examine the mutual relationships between organisms and their environment. In studying the interrelationships among plants, animals, and humans, these courses usually cover the following subjects: photosynthesis, recycling and regeneration, ecosystems, population and growth studies, pollution, and conservation of natural resources.

**Counseling Notes:**

- NCAA approved core course.

- CDHE approved core course
- Option for students' who were unable to successfully complete 1 or 2 semesters of 9<sup>th</sup> grade Biology or 10<sup>th</sup> grade Chemistry.

### **FORENSIC SCIENCE - 5220**

Grades: 11, 12                      Credit: 1.0

Have you ever wondered how blood type is determined and matched to a suspect in a criminal case? Are you interested in DNA fingerprinting, crime scene investigation, blood spatter or collecting trace evidence? These topics and many more will be a part of this course. This class will consist of an in-depth exploration of the science, skills and criminalistics of the field of forensic science. Forensic investigation, collection, analysis and law will all be covered in this laboratory-based class. Forensic science will explore concepts in ballistics, death investigation, handwriting analysis, toxicology and many others. This course integrates concepts of biology, chemistry, physics, geology, anthropology, psychology and law.

#### Counseling Notes:

- NCAA approved core course.
- May enroll in the course at semester.
- Completion of two years of high school science recommended.

# **SOCIAL STUDIES**

## **U.S. GOVERNMENT -3905**

Grades: 9

Credit: .50

U.S. Government is a comprehensive course that provides an overview of the structure and functions of the U.S. Government and political institutions. It will examine constitutional principles, the concepts of rights and responsibilities, the role of political parties and interest groups, and the importance of civic participation in the democratic process. This course may examine the structure and function of state and local governments and may cover certain economic and legal topics. This course is paired with Economics. U.S. Government is a semester course paired with Economics. It examines the basic principles of the American constitutional, legal, and political systems. Students will explore topics that have immediate impact on their lives and will be able to look at government from a variety of perspectives. The Government program is committed to helping students develop and improve academic skills in reading, writing, speaking and critical thinking skills.

Counseling Notes:

- NCAA approved core course.
- CDHE approved core course.
- A passing grade is required for graduation.

## **ECONOMICS - 3155**

Grades: 9

Credit: .50

Economics courses provide students with an overview of economics with primary emphasis on the principles of microeconomics and the U.S. economic system. These courses may also cover topics such as principles of macroeconomics, personal financial literacy, international economics, and comparative economics. Economic principles may be presented in formal theoretical contexts, applied contexts, or both. This semester-long course is paired with US Government. It probes how society manages its scarce resources, how people make decisions, how people interact in the domestic and international markets, and how forces and trends affect the economy as a whole. Personal financial literacy applies the economic way of thinking to help individuals understand how to manage their own scarce resources using a logical decision-making process of prioritization based on analysis of the costs and benefits of every choice. Basic skills that will be developed in this course will include; reading and analyzing the news, developing and supporting opinion, and integrating basic economic skills with other knowledge.

Counseling Notes:

- NCAA approved core course.
- CDHE approved core course.

## **CP GOVERNMENT 9 - 3911**

Grades: 9

Credit: .50

U.S. Government is a comprehensive course that provides an overview of the structure and functions of the U.S. Government and political institutions. It will examine constitutional principles, the concepts of rights and responsibilities, the role of political parties and interest groups, and the importance of civic participation in the democratic process. This course may examine the structure and function of state and local governments and may cover certain economic and legal topics. This course is paired with Economics. U.S. Government is a semester

course paired with Economics. It examines the basic principles of the American constitutional, legal, and political systems. Students will explore topics that have immediate impact on their lives and will be able to look at government from a variety of perspectives. The Government program is committed to helping students develop and improve academic skills in reading, writing, speaking and critical thinking skills.

Counseling Notes:

- NCAA approved core course.
- CDHE approved core course
- A passing grade is required for the government portion is required for graduation.

### **CP ECONOMICS - 3157**

Grades: 9                      Credit: .50

Economics courses provide students with an overview of economics with primary emphasis on the principles of microeconomics and the U.S. economic system. These courses may also cover topics such as principles of macroeconomics, personal financial literacy, international economics, and comparative economics. Economic principles may be presented in formal theoretical contexts, applied contexts, or both. This semester-long course is paired with US Government. It probes how society manages its scarce resources, how people make decisions, how people interact in the domestic and international markets, and how forces and trends affect the economy as a whole. Personal financial literacy applies the economic way of thinking to help individuals understand how to manage their own scarce resources using a logical decision-making process of prioritization based on analysis of the costs and benefits of every choice. Basic skills that will be developed in this course will include; reading and analyzing the news, developing and supporting opinion, and integrating basic economic skills with other knowledge.

Counseling Notes:

- NCAA approved core course.
- CDHE approved core course

### **WORLD HISTORY AND GEOGRAPHY - 3190**

Grades: 10                      Credit: 1

World History and Geography is a year-long course examining the major civilizations of past and present. This course concentrates on humanity's more significant political, economic, cultural and intellectual achievements. Content includes the ancient Near East, India, China, the classical world, the Middle Ages, and the modern world. The impact of geography, nationalism, imperialism, and the rise of science are emphasized. World Geography courses provide students with an overview of world geography, but may vary widely in the topics that they cover. Topics typically include the physical environment; the political landscape; the relationship between people and the land; economic production and development; and the movement of people, goods, and ideas. In addition to covering the objectives of World History - Overview courses, World History and Geography courses provide an overview of world geography. These courses are often developed in response to increased national concern regarding the importance of geography, and they explore geographical concepts.

Counseling Notes: .

- NCAA approved core course.
- CDHE approved core course.

### **US HISTORY I/II – 3010**

Grades: 11

Credit: 1.0

United States History is a two-semester course in which the history and civilization of America are examined from a broad perspective. The course focuses on analysis of important concepts, events, and people in the American experience. Course activities and instruction are designed to develop further the academic skills which will help the student better comprehend this and other areas of study. The student is asked to use the historical method and to examine carefully the social, political and economic forces which shaped America. (This is a required course for graduation.)

#### **Counseling Notes:**

- NCAA approved core course.
- CDHE approved core course.

### **IB HISTORY OF THE AMERICAS I - 3260**

Grades: 11

Credit: 1

IB History courses prepare students to take the International Baccalaureate History exams at either the Standard or Higher level. In these courses, students study political, military, economic, social, and cultural trends and explore the nature of historical documentation and the methods used by historians. IB History courses survey 20th-century topics in an international context; provide a detailed regional study of a major area (Africa, Europe, the Americas, West and South Asia,

#### **Counseling Notes:**

- NCAA approved core course
- CDHE approved core course.

### **IB HISTORY OF THE AMERICAS II – 3265**

Grades: 12

Credit: 1

IB History courses prepare students to take the International Baccalaureate History exams at either the Standard or Higher level. In these courses, students study political, military, economic, social, and cultural trends and explore the nature of historical documentation and the methods used by historians. IB History courses survey 20th-century topics in an international context; provide a detailed regional study of a major area (Africa, Europe, the Americas, West and South Asia, East and Southeast Asia, or Australia); and enable students to undertake individual study on a subject of interest in greater detail and depth.

#### **Counseling Notes:**

- Prerequisite - Successful completion of IB History of the Americas I.
- Students in this class are required to take the IB exam. If a student fails to take the IB exam, the grade for this class will be unweighted on the student's transcript.
- May test HL after successful completion.
- This course can be taken as an elective or Social Science credit for the non-IB diploma student.
- NCAA approved core course
- CDHE approved core course.

### **PSYCHOLOGY - 3110**

Grades: 11, 12

Credit: .50

Psychology courses introduce students to the study of individual human behavior. Course content typically includes (but is not limited to) an overview of the field of psychology, topics in human growth and development, personality and behavior, and abnormal psychology.

Counseling Notes:

- NCAA approved core course.
- CDHE approved core course.

### **IB PSYCHOLOGY I - 3125**

Grades: 11, 12                      Credit: 1

IB Psychology courses prepare students to take the International Baccalaureate Psychology exams at either the Standard or Higher level. Course content includes developmental and social psychology, cognition and learning, and personality subject areas, which are approached from biological/physiological, behavioral, and humanistic points of view. These courses may include a study of research design and statistics and involve practical work in psychological research.

Counseling Notes:

- May test IB SL after successful completion.
- Students in this class are required to take the IB exam. If a student fails to take the IB exam, the grade for this class will be unweighted on the student's transcript.
- Non-IB diploma students may take this class for elective credit or Social Studies credit
- NCAA approved core course
- CDHE approved core course.

### **IB PSYCHOLOGY II - 3126**

Grades: 12                              Credit: 1

IB Psychology courses prepare students to take the International Baccalaureate Psychology exams at either the Standard or Higher level. Course content includes developmental and social psychology, cognition and learning, and personality subject areas, which are approached from biological/physiological, behavioral, and humanistic points of view. These courses may include a study of research design and statistics and involve practical work in psychological research

East and Southeast Asia, or Australia); and enable students to undertake individual study on a subject of interest in greater detail and depth.

Counseling Notes:

- Prerequisite - Successful completion of IB Psychology I.
- Students in this class are required to take the IB exam. If a student fails to take the IB exam, the grade for this class will be unweighted on the student's transcript.
- May test IB SL or HL after successful completion.
- Non-IB diploma students may take this class for elective credit or Social Studies credit.
- NCAA approved core course.
- CDHE approved core course

### **LAW FOR EVERYONE - 3080**

Grades: 11, 12                      Credit: .50

Law Studies courses examine the history and philosophy of law as part of U.S. society and include the study of the major substantive areas of both criminal and civil law, such as constitutional rights, torts, contracts, property, criminal law, family law, and equity. Although these courses emphasize the study of law, they may also cover the workings of the legal system.

**Counseling Notes:**

- NCAA approved core course.
- CDHE approved core course.

**SOCIOLOGY - 3120**

Grades: 11, 12

Credit: .50

Sociology courses introduce students to the study of human behavior in society. These courses provide an overview of sociology, generally including (but not limited to) topics such as social institutions and norms, socialization and social change, and the relationships among individuals and groups in society.

**Counseling Notes:**

- NCAA approved core course.
- CDHE approved core course.

## **STUDENT SUPPORT SERVICES**

### **VOYAGER ENGLISH I – 0136**

Grades: 9                      Credit: 1

### **VOYAGER ENGLISH II– 0137**

Grades: 10                     Credit: 1

### **VOYAGER ENGLISH III - 0138**

Grades: 11                     Credit: 1

### **VOYAGER ENGLISH IV – 0139**

Grades: 12                     Credit: 1

A year-long course for students who require specialized instruction at a modified grade level aligned with English Language Arts grade level standards. Using literary and informational texts, students will learn and practice strategies to increase reading comprehension as well as instruction and opportunities to develop the writing skills necessary to convey their experience in the world, to produce thoughtful analyses of academic and real-world topics, and to develop well-reasoned arguments on relevant topics in their lives. *Requires confirmation from school Special Education Department.*

### **LITERACY EXTENSION - 0160**

Grades: 9, 10, 11, 12        Credit: 1

A year-long course for students who are enrolled in grade level English classes, but require additional specialized instruction in all aspects of literacy including speaking, listening, reading and writing. The skills taught and practiced are directly aligned to grade level English Language Arts standards in order to increase overall literacy proficiency. *Requires confirmation from school Special Education Department.*

### **READING - 0140**

Grades: 9, 10, 11, 12

Year-long daily, intensive, small-group course which supplements classroom literacy teaching for students who are reading significantly below their grade level peers. It is designed to deepen and expand comprehension with close reading and increase reading fluency by engaging students in daily reading with texts at their instructional levels. Integrated lessons will also incorporate word study, vocabulary and writing. *Requires confirmation from school Special Education Department.*

### **VOYAGER MATH - 0236**

Grades: 9, 10, 11, 12        Credit: 1

A year-long course for students who require specialized instruction at a modified grade level aligned with mathematics standards. Lessons incorporate conceptual understanding, procedural skills, fluency and application. Units include Number Sense, Operations, Algebra, Statistical Analysis and Geometry & Measurement. *Requires confirmation from school Special Education Department.*

### **FOUNDATION MATH I - 2905**

Grades: 9, 10, 11, 12        Credit: 1

A year-long course for students who require specialized instruction at a modified grade level aligned with mathematics standards. Lessons incorporate conceptual understanding, procedural skills, fluency and application. Units include Number Sense, Operations, Algebra, Statistical Analysis and Geometry & Measurement. Students who successfully complete this course are prepared for general education math course CMIC I. *This course requires confirmation from school Special Education Department.*

**FOUNDATION MATH II - 2906**

Grades: 9, 10, 11, 12      Credit: 1

A year-long course for students who require specialized instruction at a modified grade level aligned with mathematics standards. Lessons incorporate conceptual understanding, procedural skills, fluency and application. Units include Number Sense, Operations, Algebra, Statistical Analysis and Geometry & Measurement. Students who successfully complete this course are prepared for general education math course CMIC I. *This course requires confirmation from school Special Education Department.*

**INTERPERSONAL DEVELOPMENT SKILLS – 0755**

Grades: 9, 10, 11, 12      Credit: .50

This course is designed for special education students who need a small, structured setting in which to develop interpersonal and self-awareness skills. Students will learn and practice skills necessary to be successful in their other daily classes.

Counseling Notes:

- Students must have an active IEP and be placed in this course.
- This course may be repeated for credit.

**LANGUAGE ARTS I, II, III, IV – 0172**

Grades: 9, 10, 11, 12      Credit: 1

This course involves working with students with IEP on their skills in Reading, Vocabulary, Comprehension, and Writing using the 6 Traits.

Counseling Notes:

- Students must have an active IEP and be placed in this course.

**MATH I, II, III, IV – 0272**

Grades: 9, 10, 11, 12      Credit: 1

This course involves working with students with IEP's on their basic Math skills: Calculation, Money, Time, and Problem solving.

Counseling Notes:

- Students must have an active IEP and be placed in this course.

**SOCIAL STUDIES I, II, III, IV – 0332**

Grades: 9, 10, 11, 12      Credit: 1

This course will complete Social Studies, History and Government.

Counseling Notes:

- Students must have an active IEP and be placed in this course.

**SCIENCE I, II, III, IV – 0532**

Grades: 9, 10, 11, 12      Credit: 1

This course will complete Science credits In Biology, Earth and Space and Health.

Counseling Notes:

- Students must have an active IEP and be placed in this course.

**COMMUNITY DEVELOPMENT – 0770**

Grades: 9, 10                      Credit: 1

This class is for Freshmen and Sophomores to begin learning about Jobs, filling out basic applications, take interest surveys, and learning soft job skills

Counseling Notes:

- Students must have an active IEP and be placed in this course.

## **WORLD LANGUAGES**

All language classes can count towards elective or fine art/practical art credit.

### **FRENCH I - 8200**

Grades: 9, 10, 11, 12      Credit: 1

Designed to introduce students to French language and culture, French I emphasizes basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. French culture is introduced through the art, literature, customs, and history of the French-speaking people.

Counseling Notes:

- NCAA approved core course.
- CDHE approved core course.

### **FRENCH II - 8210**

Grades: 9, 10, 11, 12      Credit: 1

French II courses build upon skills developed in French I, extending students' ability to understand and express themselves in French and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of French-speaking people to deepen their understanding of the culture(s).

Counseling Notes:

- NCAA approved core course.
- CDHE approved core course.

### **FRENCH III - 8220**

Grades: 10, 11, 12      Credit: 1

French III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations.

Counseling Notes:

- Prerequisites: Successful completion of French II
- NCAA approved core course.
- CDHE approved core course.

### **IB FRENCH III - 8256**

Grades: 10, 11, 12      Credit: 1

IB Language B—French courses prepare students to take the International Baccalaureate Language B exams at either the Standard or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the student's second language). Students preparing to take the Standard level

exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed.

Counseling Notes:

- NCAA approved core course.
- CDHE approved core course.

#### **FRENCH IV - 8230**

Grades: 11, 12                      Credit: 1

French IV courses focus on advancing students' skills and abilities to read, write, speak, and understand the French language so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary.

Counseling Notes:

- Prerequisites: Successful completion of French III
- NCAA approved core course.
- CDHE approved core course.

#### **IB FRENCH IV - 8257**

Grades: 11, 12                      Credit: 1

IB Language B—French courses prepare students to take the International Baccalaureate Language B exams at either the Standard or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the student's second language). Students preparing to take the Standard level exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed.

Counseling Notes:

- Juniors may test in IB SL with teacher recommendation.
- Seniors may test in IB SL or HL with teacher recommendation.
- Students in this class are required to take the IB exam. If a student fails to take the IB exam, the grade for this class will be unweighted on the student's transcript.
- NCAA approved core course.
- CDHE approved core course.

#### **IB FRENCH V - 8258**

Grades: 11, 12                      Credit: 1

IB Language B—French courses prepare students to take the International Baccalaureate Language B exams at either the Standard or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the student's second language). Students preparing to take the Standard level exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed.

Counseling Notes:

- Juniors may test in IB SL with teacher recommendation.

- Seniors may test in IB SL or HL with teacher recommendation.
- Students in this class are required to take the IB exam. If a student fails to take the IB exam, the grade for this class will be unweighted on the student's transcript.
- NCAA approved core course.
- CDHE approved core course.

### **SPANISH I - 8100**

Grades: 9, 10, 11, 12      Credit: 1

Designed to introduce students to Spanish language and culture, Spanish I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. Spanish culture is introduced through the art, literature, customs, and history of Spanish-speaking people.

Counseling Notes:

- NCAA approved core course
- CDHE approved core course.

### **SPANISH II - 8110**

Grades: 9, 10, 11, 12      Credit: 1

Spanish II courses build upon skills developed in Spanish I, extending students' ability to understand and express themselves in Spanish and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of Spanish-speaking people to deepen their understanding of the culture(s).

Counseling Notes:

- NCAA approved core course
- CDHE approved core course.

### **SPANISH III - 8120**

Grades: 10, 11, 12      Credit: 1

Spanish III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations.

Counseling Notes:

- Prerequisites: Successful completion of Spanish II
- NCAA approved core course.
- CDHE approved core course.

### **IB SPANISH III - 8165**

Grades: 10, 11      Credit: 1

IB Language B—Spanish courses prepare students to take the International Baccalaureate Language B exams at either the Standard or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the student's second language). Students preparing to take the Standard level

exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed.

Counseling Notes:

- NCAA approved core course.
- CDHE approved core course

#### **SPANISH IV - 8130**

Grades: 11, 12                      Credit: 1

Spanish IV courses focus on advancing students' skills and abilities to read, write, speak, and understand the Spanish language so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary.

Counseling Notes:

- Prerequisites: Successful completion of Spanish III
- NCAA approved core course.
- CDHE approved core course.

#### **IB SPANISH IV - 8170**

Grades: 11, 12                      Credit: 1

IB Language B—Spanish courses prepare students to take the International Baccalaureate Language B exams at either the Standard or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the student's second language). Students preparing to take the Standard level exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed.

Counseling Notes:

- Juniors may test in IB SL with teacher recommendation.
- Seniors will test in IB SL or HL with teacher recommendation.
- Students in this class are required to take the IB exam. If a student fails to take the IB exam, the grade for this class will be unweighted on the student's transcript.
- NCAA approved core course
- CDHE approved core course.

#### **IB SPANISH V - 8175**

Grades: 12                              Credit: 1

IB Language B—Spanish courses prepare students to take the International Baccalaureate Language B exams at either the Standard or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the student's second language). Students preparing to take the Standard level exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed.

Counseling Notes:

- Seniors may test in IB SL or HL with teacher recommendation.

- Students in this class are required to take the IB exam. If a student fails to take the IB exam, the grade for this class will be unweighted on the student's transcript.
- NCAA approved core course
- CDHE approved core course.

**SPANISH FOR HERITAGE SPEAKERS– 8180/8181**

**ESPAÑOL PARA HISPANOHABLANTES NIVEL I/II**

Grades: 9, 10, 11, 12      Credit: 1

Spanish for Heritage Speakers courses support, reinforce, and expand students' knowledge of their own tongue. Because students understand at least the rudiments and structure of the language and have a working vocabulary (to a greater or lesser degree), Spanish for Heritage Speakers courses often move faster than do regular Spanish foreign language courses and emphasize literary development (with a study of literature and composition). These courses may also include the culture or history of the people and introduce translation skills.

Counseling Notes:

- Prerequisite: Students must complete a pre-assessment with a Spanish teacher to determine the correct level of placement. This year-long course cannot be repeated.
- NCAA approved core course.
- CDHE approved core course.

**IB SPANISH LANGUAGE A I - 1194**

Grades: 11,12      Credit: 1

IB Language A Spanish courses prepare students to take the International Baccalaureate Language A exams at the Standard Level. Course content includes in-depth study of literature chosen from the appropriate IB list of texts and authors, written analyses of this literature and other oral and written assignments. Course content is designed to improve students' accuracy and fluency in the language, which is usually the students' native tongue.

Counseling Notes:

- NCAA approved core course.
- CDHE approved core course

**IB SPANISH LANGUAGE A II - 1195**

Grades: 11, 12      Credit: 1

IB Language A Spanish courses prepare students to take the International Baccalaureate Language A exams at the Standard Level. Course content includes in-depth study of literature chosen from the appropriate IB list of texts and authors, written analyses of this literature and other oral and written assignments. Course content is designed to improve students' accuracy and fluency in the language, which is usually the students' native tongue.

Counseling Notes:

- Seniors may test in IB SL or HL with teacher recommendation.
- Students in this class are required to take the IB exam. If a student fails to take the IB exam, the grade for this class will be unweighted on the student's transcript.
- NCAA approved core course.
- CDHE approved core course

### **IB SPANISH LANGUAGE A SPANISH III - 1196**

Grades: 11, 12                      Credit: 1

IB Language A Spanish courses prepare students to take the International Baccalaureate Language A exams at the Standard Level. Course content includes in-depth study of literature chosen from the appropriate IB list of texts and authors, written analyses of this literature and other oral and written assignments. Course content is designed to improve students' accuracy and fluency in the language, which is usually the students' native tongue.

Counseling Notes:

- Seniors may test in IB SL or HL with teacher recommendation.
- Students in this class are required to take the IB exam. If a student fails to take the IB exam, the grade for this class will be unweighted on the student's transcript.
- NCAA approved core course
- CDHE approved core course.

## **SPECIAL OFFERINGS**

### **THEATER ARTS I/II – 6354/6355**

Grades: 9, 10, 11, 12              Credit: .50

Introduction to the Theater courses provide an overview of the art, conventions, and history of the theater. Although the courses sometimes include experiential exercises, they emphasize learning about the theater rather than performance. Students learn about one or more of the following topics: basic techniques in acting, major developments in dramatic literature, major playwrights, the formation of theater as a cultural tradition, and critical appreciation of the art.

Counseling Notes:

- Prerequisite: Theater Arts I must be completed successfully prior to enrolling in Theater Arts II.
- This course may be taken for Fine and Practical Arts credit.
- CDHE academic elective course

### **YEARBOOK JOURNALISM (*The Retrospect*) - 1545**

Grades: 10, 11, 12                      Credit: 1

Publication Production courses provide students with the knowledge and skills necessary to produce the school newspaper, yearbook, literary magazine, or other printed publication. Students may gain experience in several components (writing, editing, layout, production, and so on) or may focus on a single aspect while producing the publication.

Counseling Notes:

- Students must complete an application, interview, and receive approval from the instructor. Applications are available in the English office and the counseling office.
- This course can be taken for elective credit and may be repeated for credit.
- This course is NOT accepted by the NCAA Clearinghouse for English credit.
- CDHE academic elective course

### **THEORY OF KNOWLEDGE - 9105**

Grades: 12

Credit: 1

Obligatory for every International Baccalaureate degree candidate, IB Theory of Knowledge courses aim to stimulate critical self-reflection of students' knowledge and experiences. Course content generates questions regarding the bases of knowledge and their verification in the disciplines of mathematics, natural sciences, human sciences, and history, with an awareness of moral, political, and aesthetic judgments and biases. Students learn to appreciate the strengths and limitations of various kinds of knowledge; to relate studied subjects to one another, general knowledge, and living experiences; to formulate rational arguments; and to evaluate the role of language in knowledge and as a way to convey knowledge.

Counseling Notes:

- Required for all IB diploma candidates.

### **STUDENT ASSISTANT - 9040**

Grades: 9, 10, 11, 12

Credit: .25

G.P.A. excluded

Office Aide courses provide students with the opportunity to work in campus offices, developing skills related to clerical office work. Duties may include typing, filing, record-keeping, receiving visitors, answering the telephone, and duplicating, among others. These courses emphasize appropriate work attitudes, human relations, and proper office procedures.

Counseling Notes:

- Do not sign up for this course at registration. Applications are available the first 5 days of school in the Counseling.
- Students must report to that teacher daily and complete all work expected of them.
- Students may earn a maximum of .25 credit per semester.
- Elective credit only.

### **STUDENT GOVERNMENT - 9025**

Grades: 9, 10, 11, 12

Credit: 1

G.P.A. excluded

School Governance courses convene students as an entire student body to discuss common concerns, organize groups for action, make decisions, and solve school-related problems.

Counseling Notes:

- Prerequisite: Election to student office or permission from instructor (via written application).
- Student Government involves work outside of the normal class day.
- This class is for elective credit only and may be repeated for credit.