

Colfax High School

2024-2025
Course Catalog



HOME OF THE FALCONS

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Colfax High School

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Welcome to Colfax High School - a place where we believe that EVERY student can achieve academically, socially and emotionally. Our teachers and staff are dedicated and committed to our students to ensure that our students reach their fullest potential. Inside, you will find a wealth of information regarding our A-G graduation requirements, college admissions guidelines, Career Pathways, Advanced Placement and International Baccalaureate opportunities, as well as our list of outstanding courses and programs offered to students.

We hope you take advantage of the outstanding variety of courses we offer. Students are encouraged to discuss core courses and elective offerings with parents, teachers and counselors, to make informed choices. Thoughtful selection of alternate courses provides important information when scheduling conflicts arise.

Additional questions in regards to college or other requirements should be directed to your counselor. Students are welcome to “drop” by their counselors’ office before or after school, during lunch or in between classes. Additionally, students can request a private appointment by filling out a request slip, located in the counseling department. We want to help students have a successful high school experience. Please call upon our counseling department and staff when you have a question or concern.

“I am Colfax. You are Colfax. WE ARE COLFAX!”

Dr. Chastity Raybuck-Bonilla
Principal - Colfax High School

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COLFAX HIGH SCHOOL INFORMATION

The Colfax Course Catalog is provided as an educational tool to assist students and parents in making informed decisions about a rigorous education plan that will guide students toward successful academic achievement, as well as post-secondary and future employment.

The CHS master schedule is built in the spring based upon student needs and student course requests. The schedule is constructed so that students are enrolled in courses they must have, and every effort is made to schedule the electives they would like to have. The schedule also takes into account the staff and facility parameters that affect the schedule. Once course selections are finalized, changes will be made only within extenuating circumstances based on approval from the Counseling Department.

4 x 4 BLOCK SCHEDULE

Colfax High School is on a 4 x 4 block schedule that has students taking up to four courses over an 18-week period. Students meet in four classes each school day. In December, students complete their fall courses and begin new courses for the spring term in January. Please visit our [website](#) for the current bell schedule and CHS Calendar.

COLFAX HIGH SCHOOL VALEDICTORIAN CRITERIA

- 4.0 grade point average, cumulative, unweighted (A=4, B=3, C=2, D=1, F=0)
- Complete a minimum of six Honors, AP or IB classes. One community college class can be substituted, provided it is UC/CSU transferable

Only original grades will be used to determine class valedictorians. Repeated classes will not be considered. Of the students who meet the valedictorian criteria, the Valedictorian(s) will be selected based on four full years/eight terms of the overall highest weighted GPAs. Valedictorian status does NOT guarantee a commencement speech. Starting with 2023 speeches will be given by the Falcon's of the Year.

PROGRESS REPORTS AND REPORT CARDS

Colfax High School will generate course grades every 4 to 4 ½ weeks. All grades for all report periods will be posted on the Parent/Student Portal for viewing. Hard copies of the reports are not printed and mailed. Term 1 and 2 Final Reports are the only grades that are recorded on a student's transcript.

A grade of "I" (Incomplete) that is given as a final term grade is a temporary grade given to students who have been given the opportunity to make up work to receive a passing grade. Strict deadlines are given to the student for making up work, at which time the teacher submits a grade change for the final grade. If deadlines are not met, the grade becomes an "F" (fail).

DROPPING A CLASS

An “F” grade is issued when a student drops a class 4.5 weeks and beyond in the term, unless a student is moving to a similar class. Prior administrative approval must be obtained first.

COLFAX HIGH SCHOOL SCHEDULE FIX POLICY

A lot of thought and many hours have gone into creating the school’s Master Schedule based on student requests from their “Course Selection Worksheet”. Because CHS is a small school with many offerings, we run a very tight master schedule and in most cases there is no place to move. Therefore, schedule changes will not be permitted. However if there is an error on a student’s schedule, Schedule Fix Days will be published prior to the start of the Fall term.

The only guaranteed schedule fix will be for scheduling errors which include:

1. Missing a course(s) required for graduation
2. Blank/Missing a class period (does not include “Early/Late” arrival for seniors)
3. Student has duplicate courses
4. Course out of sequence
5. Grossly unbalanced schedule
6. Student has not met a prerequisite for a course - A student registered for a course, but did not meet the requirements needed to take that course (i.e. summer work for AP classes, registered for Spanish 2 but did not pass Spanish 1)

Schedule changes will not be made for the following reasons:

1. To be with friends
2. To change teachers
3. To accommodate early/late arrival
4. To get out of an elective class that they chose on their worksheet
5. To change classes from fall to spring, or spring to fall

The Counseling Staff will correct any mistakes as quickly as possible. Students must stay in their classes until they have been notified that the schedule has been fixed. Effective the first day of the fall and spring terms, no more changes will be made unless there are extenuating circumstances approved by the counseling department and/or administration.

CLASSROOM TRANSFERS

All schedules are final unless there are extenuating circumstances. If parents have concerns regarding their student's placement, the following procedures must be followed:

1. Parent notifies counselor of concerns
2. Counselor will schedule a conference with the parent(s), student and teacher
3. After the conference if the parent is dissatisfied:
 - a. Submit concerns in writing to Administration
 - b. Meet with Administration to discuss concerns
 - c. The Administration will make the final decision as to course of action

Schedules for the year will be available for viewing through your portal account a couple of weeks before school starts. Look under student information - class schedule (in the drop down menu).

Schedule Changes:

FALL - "Schedule Fix Days" regarding the fall term are typically: one week before the beginning of the fall term. If you are not in town, you may send a representative (i.e. Mom, siblings, friends) in your place with a signed note from you giving permission to make a clearly communicated change.

SPRING - Requests for changes regarding the spring term classes may be made anytime during the fall term by submitting a request form in the counseling department, to meet with the counselor.

Schedule change requests are not permitted on or after the first day of instruction of that term without permission granted based on special circumstances.

PUHSD/Colfax High School

Descriptions of Academic Programs

Academic Enrichment

Students can take classes at Sierra College, or any college that has an option for high school students to take college classes, while still in high school. Students can choose to send an official college transcript to Colfax High School if they want it on their high school transcript. This is not for first term Freshmen. Tuition is free, but there may be costs associated with AE courses (i.e. textbooks, technology rentals, parking pass if applicable, etc.) that are not covered by the school or PUHSD.

Advanced Placement

Advanced Placement (AP) is a program of college-level courses offered at many high schools. Courses are available in many subject areas, including English History, humanities, languages, math, psychology and science. AP courses can help you gain the skills and study habits you'll need to be successful in college. You'll improve your writing, problem-solving, time-management skills, and learn how to stay focused on your work and goals. Research shows that AP courses help students' graduation from college in four years and qualify for scholarships. In addition to High School credit, you may also earn college credit if you take an AP exam at the end of the course AND earn a score of at least three (3) on a scale of (1) to five (5). Colleges and universities consider a score of three (3) an indicator of your ability to do successful college work

Career Pathways (CTE Pathways)

Creating Career Pathways provides a framework to assist high school and college faculty to collaborate and develop programs of study that include articulation of high school coursework. Articulation agreements vary by discipline and may include alignment of course skills, concepts and sequences, advanced placement possibilities and credit by examination options.

Distance Learning

Distance learning is a system of sharing education opportunities through technology. Students on one school site receive the benefits of an instructor and course that is available on another site through video and audio options. These courses are "synchronous", in that students must be engaged and connected at a specific class time. As an example, a student or set of students at our Foresthill campus can "Sit in" on an English class at Colfax, or a Calculus class at Placer. Students and instructors can see, hear and communicate with each other through the virtual experience.

Dual Enrollment

In partnership with Sierra College, these course offerings earn students both college credit and high school credit. Academic courses may have qualifying GPA/prerequisites. Classes are limited in space based on Sierra College's guidelines.

Online Courses

Online courses are offered "asynchronously" which means that you can take them on your own schedule. Instructors provide materials, lectures, tests, and assignments that can be accessed at any time. Students may be given a time frame-usually a one week window - during which they need to connect at least once or twice. But overall, students are free to contribute whenever they choose.

International Baccalaureate (IB) Diploma Program

The International Baccalaureate Diploma Program (DP) is a challenging two-year international curriculum for grades 11 and 12 incorporating the best elements of several national systems. Each student's performance is measured against well-defined levels of achievement consistent from one examination session to the next. Designed for highly motivated students, the program offers an academic experience emphasizing critical thinking, intercultural understanding, exposure to a variety of points of view, and rigorous internal and external assessments.

What is a Career Pathway?

[CTE Video Link](#)

A Career Pathway is a sequence of courses in a recognized industry sector aligned with the California Career and Technical Education (CTE) Model Curriculum Standards.

Colfax High School provides sequenced Career Pathways that include industry related and academic content standards to prepare students for success in postsecondary education, careers, and lifelong learning. **Completion of a CTE Pathway requires mastery and completion of all courses as scheduled by the State of California and the CHS CTE Departments**

CHS Pathway Options			
	INTRO	CONCENTRATOR	CAPSTONE
Visual/Commercial Art 111C	2D Studio Art 1	Commercial Ceramics	Adv Commercial Ceramics
Multimedia Production 113C	Broadcasting 1	Broadcasting 2	Broadcasting 3 (DE)
Business Management 182	Business Leadership 1	Business Leadership 2	Business Leadership 3
Information Support & Services 170		Computer Network Tech	Computer Tech 2
Welding & Materials Joining 212	Metal 1	Metal 2	Metal 3
Product innovation & Design 216	Intro Engineering Design	Computer Integrated Manufacturing (DE)	Engineering Design & Development
Systems Diagnostics, Service, & Repair 221		Automotive Services	Adv Auto Services
Proposed New Pathway (24/25 school year)	Intro	Concentrator	Capstone
Education 132 (Emphasis in Teaching STEAM)	Variety of courses can meet the intro level; Biology, IM2, Art or Ceramics	Principles of STEAM Teaching	STEAM Teaching Internship

What does a Career Pathway offer?

Colfax High School Career and Technical Education Pathways offer students a unique perspective into a field of study that they might want to pursue upon their graduation from high school. Students completing a Career Pathway will have the opportunity to achieve specific competencies in that area of study, develop an industry specific portfolio, receive college credit (dual enrollment) in some classes, establish a professional on-line presence, and add CTE competition details to their resume. Completing a Career Pathway at Colfax High School will be a distinguishing achievement whether you are continuing your education at a four year college, junior college, trade school, or entering a career.

How does it work?

Students enter the Career Pathway by taking the first course as designated by the CTE department. Concentrator and Capstone courses must be successfully completed to show CTE completion. Teachers will educate students about the Career Pathway. The teacher will encourage students to continue with the Career Pathway by identifying and tracking their progress in completing the Concentrator and Capstone courses. Career Pathway courses do not always need to be taken in back to back semesters.

Colfax High College & Career Ready Plan On Track Graduation Requirements

<p><u>FRESHMAN YEAR</u></p> <p>* ENGLISH 9 * P.E.</p> <p>* INTEGRATED MATH 1 OR HIGHER INTEGRATED SCIENCE OR BIOLOGY WORLD LANGUAGE LEVEL 1 ELECTIVE/SUPPORT CLASS</p>	<p><u>SOPHOMORE YEAR</u></p> <p>* ENGLISH 10 * GOVERNMENT/ECONOMICS, P.E. INTEGRATED MATH 2 OR HIGHER SCIENCE – BIOLOGY, PLANT & SOIL , CHEMISTRY, AP ENVIRONMENTAL SCIENCE WORLD LANGUAGE LEVEL 2 *PE ELECTIVE/SUPPORT CLASS</p>
<p><u>JUNIOR YEAR</u></p> <p>* ENGLISH 11, IB ENGLISH LANG & LIT HL 1 * HISTORY OF THE AMERICAS HL 1 CHEMISTRY/PHYSICS/ANATOMY INTEGRATED MATH 3 OR HIGHER WORLD LANG. LEVEL 3 CTE, DUAL CREDIT, AP/IB COURSE VAPA * LIFE SKILLS-APPLICABLE TO THE CLASS OF 2025 AND BEYOND</p>	<p><u>SENIOR YEAR</u></p> <p>* ENGLISH 12, IB ENGLISH LANG & LIT 2 * HISTORY OF THE AMERICAS HL 2 VAPA (VISUAL, PERFORMING ARTS) SCIENCE ELECTIVE OR WORLD LANGUAGE 4 CTE COMPLETER OR DUAL CREDIT, AP/IB COURSE - APPLICABLE TO THE CLASS OF 2025</p>

** COURSE REQUIRED FOR THIS GRADE LEVEL*

University of California (UC) & California State University (CSU)

A-G requirements:

- ✓ 4 years English
 - ✓ 3 years Math (fourth year recommended)
 - ✓ 2 years Lab Science (Biology, Integrated Science, Chemistry or Physics)
 - ✓ 2 years World Language (same Language, third year recommended)
 - ✓ 2 years U.S. History and World History
 - ✓ 1 year Visual, Performing Arts (VAPA –Fine Arts, Music, Drama)
 - ✓ 1 year College Prep Elective
- The CSU and UC system’s recommend that the student take more than the minimum requirements. The grade earned in college prep classes **must be a “C”** or higher to be accepted by the college. For more information about A-G courses, see www.californiacollege.edu.
 - CAA Freshman eligibility standards require additional college prep courses. Please see your counselor for further information.

Full Name: _____

Current Grade: _____

Academic 4 Year Plan

Colfax High School: A - G & Graduation Requirements

Subject	CHS Class	Minimum Credits
A – HISTORY/SOCIAL SCIENCE	American Government/Economics IB History HL1/World History IB History of the Americas 2/US History	30
B - ENGLISH	English 9, 10, IB English Year 1 (11th) & IB English Year 2 (12th)	40
C- MATHEMATICS	Integrated Math 1,2,3; IB Math SL 1 & 2, Statistics, Data Science, Career Math	30
D - LABORATORY SCIENCE	Life: Biology, IB Biology 1 & 2, Anatomy/Physiology Physical: Integrated Science, Chemistry, Physics, AP Physics Interdisciplinary: AP/IB Environmental Science, Fish/Wildlife Non Lab Physical Sciences: Plant/Soil & Earth Science	10 - Life Science 10 - Physical Science Total = 20
E – FOREIGN LANGUAGE	Spanish 1 - 2, IB Spanish SL 1 & 2	20 A-G 10 Graduation
F – VISUAL AND PERFORMING ARTS (VAPA)	Art, Ceramics, Choir, Drama, Band, Guitar, Varsity Band, Percussion, Dance, Broadcasting, Photography, Tech Theatre	10
G – ELECTIVE COURSES	Leadership, IB Psychology SL, Principal of Mechatronics, Pathway Courses (see course catalog) for many more college prep options	80
PE (9th grade PE and 10th grade PE)	PE 9, Team Sports, Dance, Yoga, Football & PE Training for Girls	10 - PE 9 10 - PE in the 10th grade Total = 20
Life Skills for Wellness <i>(starting with the class of 2025)</i>	Incorporated CA health standards	10 Class of 2025 +
20 Credits must be earned in one of the following options: 1. CTE Pathway Completer or Two CTE Courses 2. Two IB/AP classes 3. Two Dual Enrollment or Academic Enrichment Courses	See Pathways List	20 Class of 2025 +
Total Credits Required for Graduation		260

Challenge Yourself By Enrolling in IB at CHS!

Student enrollment options:

- IB Course Student -take one to five IB classes or
- IB Diploma Program –take six IB courses,
- Theory of Knowledge, Extended Essay and CAS

Every IB course is GPA-weighted. There is a registration process and test fees for all classes.

Program Description:

The International Baccalaureate Diploma Program (DP) is a challenging two-year international curriculum for grades 11 and 12 incorporating the best elements of several national systems. Each student's performance is measured against well-defined levels of achievement consistent from one examination session to the next. Designed for highly motivated students, the program offers an academic experience emphasizing critical thinking, intercultural understanding, exposure to a variety of points of view, and rigorous internal and external assessments.

IB Diploma Program Description:

To get the IB Diploma, students must study six subjects in **six areas**– English, a second language, social sciences, experimental sciences, mathematics, and the arts—offered at two levels, **higher level (HL) and standard level (SL)**. In addition, students must take an interdisciplinary course called **Theory of Knowledge (TOK)** that challenges students to question the basis of knowledge. Students must also complete a program called **CAS** (creativity, activity, and service), which involves self-reflection and goal-setting for participation in community service, performing arts, and sports. Students are also required to write an **Extended Essay (EE)** of up to 4,000 words in order to acquaint them with the kind of independent research and writing skills expected of them in college.

Higher Level (HL) courses and examinations are slightly more difficult and lengthy. The HL courses require the student to spend a minimum of 240 hours in instruction/lab time spread over grades 11 and 12 (courses HL-1 and HL-2). The requirements for HL International Assessment are somewhat more demanding and thorough.

Standard Level (SL) courses and exams require at least 150 hours of instruction/lab time and meet every day over two terms (courses SL-1 and SL-2). In general, the exams for SL courses are not as difficult or lengthy as their HL counterparts. Likewise, the Internal Assessment requirements may vary for the SL versions.

CHS - IB COURSES FOR 2024-2025

The International Baccalaureate® (IB) Diploma Program (DP) curriculum sets out the requirements for study of the DP.

The curriculum is made up of the DP core –Theory of Knowledge, Extended Essay and CAS and six subject groups.

The six subject groups are:

1. Studies in language and literature
2. Language acquisition
3. Individuals and societies
4. Sciences
5. Mathematics
6. The Arts

There are different courses within each subject group. In IB @ CHS we offer the following courses in 2024-2025



Group 1	IB English HL	Two years
Group 2	IB Spanish SL	Two years
Group 3	IB History of the Americas HL IB Psychology SL	Two years One Year
Group 4	IB Biology HL Environmental Systems & Societies IB	Two years
Group 5	IB Math SL	Two years
Group 6	IB Visual Arts SL IB Dance SL	One year One Year

IB courses are open to **ALL** CHS students.

It is the most in-depth curriculum available from the internationally recognized and respected International Baccalaureate Organization.® Every course aims to develop inquiring, knowledgeable and caring young people who help to create a better and more peaceful world through intercultural understanding and respect.
One year in IB = one term at CHS
Two year in IB = two terms at CHS

Students who take six IB courses (three HL and three SL), take Theory of Knowledge and complete the Extended Essay and CAS may earn the prestigious IB Diploma

Colfax High School

IB Diploma Program Draft/Sample IB 4 -Year Planner

9th GRADE		10th GRADE	
Fall	Spring	Fall	Spring
Spanish 1	Biology or Integrated Science	English 10	Government/Econ
Integrated Math 1 or 2	English	Integrated Math 3	Chemistry
PE 9	Elective	Integrated 2 or Spanish 2 (whichever course wasn't taken in 9th grade)	Spanish 3
Elective	Integrated Math 2 or 3 Or Spanish 2	PE or Elective	VAPA (Visual or performing arts)

11th GRADE - Year 1 IBDP		12th GRADE - Year 2 IBDP	
Fall	Spring	Fall	Spring
IB Biology HL Y1	(Choose one) IB Visual Arts SL IB Psychology SL IB Dance SL IB Systems and Societies SL	IB Biology HL Y2	Elective or (Year 2 requirement of Spring 11th pending Authorization)
IB Math SL Y1 (Pre-Calculus)	IB Spanish SL Y1 (Dual Credit - Spanish 4)	IB Spanish SL Y2 (Spanish 5)	IB Math SL Y2 (Calculus)
IB History of the Americas HL Y1	IB English Language & Literature HL Y1	IB History of the Americas HL Y2	IB English Language & Literature HL Y2
Life Skills for Wellness	Elective or *Theory of Knowledge - ToK-1 (w CAS & EE)*	Elective or *Theory of Knowledge - ToK-2 (w CAS & EE)*	PE or Elective

* ToK placement possibilities- Seminar One night a week

Higher Level (HL) Classes Standard Level (SL) Classes Elective Classes

Theory of Knowledge (TOK) Creative Activity Service (CAS) Extended Essay (EE)

COLFAX HIGH SCHOOL 2024-2025 COURSES:

Art (Visual Arts)

2D Studio Art

Grades: 9-12

Graduation Requirement: Fine Arts/VAPA

A-G: F

Prerequisite: None for level 1, completion of 1 with a B or higher for level 2

Course Description: 2D Studio Art is an exploratory course designed to give the beginning art student an understanding of artistic expression through a variety of media. 2D Studio Art 1 may include drawing with pencil, pen, and ink, watercolor and tempera painting techniques, and color theory. Instruction moves with assigned projects, each accompanied by a teacher demonstration and examples of previous student works. Individual instruction is given in the development of each student's project. After completion of an introductory course, students have the opportunity for personalized expression in any area/media explored in 2D Studio Art 1 (and 2D Studio Art 2 for level 3), with the addition of new instruction in acrylic painting. Students will practice critical thinking with artwork critiques, and hone artistic expression through individual sketchbooks.

AP 2D Art and Design

Grades: 11, 12

Graduation Requirement: Fine Art or Foreign Language

Prerequisite: Art 1 with a grade of "A" and teacher recommendation

College approved for the CSU/UC Systems

Course Description: This course is designed for the serious, disciplined art student. The course focuses on exploration and incorporation of the principles and elements of design. Increased advanced application of technical skill is expected. Class critiques and portfolio development will be emphasized throughout the term. This course will have opportunities for intense investigation of a theme or concept chosen by the student as they create artwork using a variety of 2D materials.

This course is only offered in the fall. Students will produce between 15-20 strong pieces of artwork which will be submitted to the college board. AP Art Studio is not assessed by a written examination; rather students must submit a portfolio of art along with written statements submitted to the college board in the spring of that year. The completed portfolio will be graded on concentration, breadth, technical skill, and expression. Passing the portfolio exam with a score of 3 or higher earns the student college credit.

IB Visual Art SL

Grade Levels: 11, 12

Graduation Requirement - Fine Art or Foreign Language

Prerequisite: Art 1 with a grade of "B" or better, or teacher recommendation.

College approved for the CSU/UC Systems

Course Description: In this course, students will refine observational drawing and painting techniques and engage with a variety of 2D and 3D materials and tools to develop their artistic voices. As they research and

explore historical and contemporary art-making practices, students explore the various ways that culture and context have influenced art around the world, and in turn learn to reflect on and articulate the purpose and meaning of their own work. This course culminates in the selection and exhibition of a cohesive body of resolved artwork as a formal art show. This Standard Level IB course is only offered in the fall. Students will produce between 4-7 strong pieces of artwork along with an in-depth comparative study of 2 artists and a process portfolio of student work and exploration, which will be submitted to the International Baccalaureate® in the spring for IB diploma students only as a part of their program.

Commercial Ceramics

Grades: 10-12

Graduation Requirement: Fine Arts/VAPA, Elective/CTE Pathway

A-G: F

Prerequisite: 2D Studio Art [Intro Course]

This is a studio course providing the beginning art student with an in-depth study of three-dimensional artwork in clay. Instruction moves with assigned projects, each accompanied by a teacher demonstration and examples of previous student works. Individual instruction is given in the development of each student's project. Ceramic forms will include containers, wall pieces, and sculptures. Other sculpture media may be explored during the course. Careers that use ceramic skills will be explored. This is the second class in the CTE pathway.

2D Studio Art 1 is the first class and Commercial Ceramics is the second class in the Ceramics CTE Pathway.

Advanced Commercial Ceramics

Grades: 10-12

Graduation Requirement: Fine Arts/VAPA, Elective/CTE Pathway

A-G: F

Prerequisite: Commercial Ceramics

This course is designed for students with the basic ceramic skills moving towards advanced individualized creative expression in clay. The focus will be in developing creative thinking, self-evaluation and individual style. The students have the opportunity for personalized expression in clay and mixed media. Emphasis is placed on contemporary ceramic art movement and the Northern California influence and Careers that might use ceramic skills. This is the Capstone or final course in the Ceramics CTE Pathway.

Advanced Commercial Ceramics is the third and final class in the Ceramics CTE Pathway.

Photography 1

Grade Levels: 10-12

Graduation Requirement - Fine Art or Foreign Language

Prerequisites: Art 1

College approved for the CSU/UC Systems

Course Description: This class is for the beginning photographer interested in exploring the many facets of photography. Instructional topics may include but are not limited to photographic technique, elements of visual composition and principles of design, basic digital imaging, use of existing light, visual display, photographic experimentation, introduction to film and darkroom processes, and presentation and portfolio development.

Photography 2/DE Photography 2

Grade Levels: 11-12

Graduation Requirement - Fine Art or Foreign Language, Elective/DE Course

Prerequisite: Photography 1 with a grade of “B” or better, or teacher recommendation.

College approved for the CSU/UC Systems

Course Description: Applying the basic skills developed in Photography I, this class emphasizes more sophisticated approaches to the art of digital photography with an opportunity to work more extensively with black and white 35mm film and darkroom processes. Photo 2 students continue their studies with the same assignments as Photo 1 with the addition of a research paper about a historical photographer of their choice, as well as a final display of darkroom prints and an artist statement. Students will be expected to work independently as they develop their personal voice and style.

Photo 2 is being offered to Colfax High School students as a dual credit class. The Placer Union High School District has partnered with Sierra College to offer a limited number of dual-credit courses. The courses will be offered during the regular school day by our own credentialed and full-time high school teachers who are also qualified to teach college level courses. These classes will count for transferable college credits as well as meeting the high school graduation requirements for the Placer Union High School District. Students in dual-credit courses will be enrolled in Sierra College and will enjoy the benefits of being a student there, including library privileges. Students will generate a Sierra College transcript and a separate grade from their high school scores.

Art (Performing Arts)

IB Dance SL

Grade Levels: 11-12

Graduation Requirement- Fine Art or Foreign Language, Elective IB Course

Prerequisite: None

College approved for the CSU/UC Systems

Course Description: The International Baccalaureate Dance Programme curriculum aims for a holistic approach to dance, and embraces a variety of dance traditions and dance cultures—past, present and looking towards the future. Performance, creative and analytical skills are mutually developed and valued whether the students are writing papers or creating/performing dances. The curriculum provides students with a liberal arts orientation to dance. This orientation facilitates the development of students who may become choreographers, dance scholars, performers or those, more broadly, who seek life enrichment through dance.

Drama 1

Grade Levels: 9-12

Graduation Requirement - Visual/Performing Arts

Prerequisite: None

College approved for the CSU/UC Systems

Course Description: Drama 1 pursues a comprehensive standards-based theater arts training program to develop perceptive and aesthetically aware students who would be able to enter into further academic and/or professional theater work. The program provides a foundation in basic acting technique and theory

and an introduction to various periods in theater history. Activities include basic warm up stretches and relaxation exercises, Drama “games”, vocal development, improvisation, and scene preparation.

Drama 2

Grade Levels: 9-12

Graduation Requirement - Visual/Performing Arts

Prerequisite: Completion of Drama 1 or instructor approval

College approved for the CSU/UC Systems

Course Description: Drama 2 is an Intermediate/Advanced Drama course that expands upon the techniques, tools, and exercises introduced in Drama 1. The course is intended for students interested in deepening and increasing their skills, and knowledge of acting, directing, and playwriting. Students will learn to make acting choices using character research, movement and vocal exercises, and script analysis to create characters from classical, contemporary, realistic, and nonrealistic dramatic texts. Students will explore direction through the development of a director's concept, and collaborating with actors in scene work. Advanced students may choose to focus their coursework primarily on directing or playwriting with instructor permission. The course will also offer workshops with professional guest artists. Drama 2 is aligned with California Common Core Standards.

IB Theater SL

Grade Level: 11 - 12

Graduation Requirement: Electives/IB Course

Prerequisite: Drama 1 or 2 or teacher approval

College approved for the CSU/UC Systems (pending)

Course Description: IB Theatre students study performance skills (ensemble work, mime/movement, voice, role play, and acting techniques/characterization), theater studies (historical and theoretical developments), play analysis and interpretation, and theater production. Students are required to contribute to and participate in theater productions. Completion of the course's IB examination is also encouraged.

Technical Theater 1, 2 & 3

Grade Levels: 9-12

Graduation Requirement - Visual/Performing Arts

Prerequisite: Enrollment in Technical Theater 2/3 requires instructor approval and a prerequisite of completing Technical Theater 1/2 with a C or better.

College approved for the CSU/UC Systems

Course Description: Both Technical Theater 1 and 2 students are expected to set up, run and tear down at least one major production in the Colfax Performing Arts Center. Technical Theater 1 is geared towards learning the basics of sound, lighting, running crew, show operation, and set construction. The goal of this course is for students to know how to work in a professional level production. Technical Theater 2 focuses on sound design, lighting design, set design, stage management and promotion. The goal of this course is the students knowing how to manage and design for a professional level show/theater. Participants in these classes are members in the drama club, Creators of Riveting Entertainment (CORE).

Chamber Choir

Grade Levels: 9-12

Graduation Requirement - Visual/Performing Arts

Prerequisite: Audition (arrange with instructor)

College approved for the CSU/UC Systems

Course Description: This is a choir for the experienced musician who wants to represent our school at competitions. It is a class where you learn proper vocal technique and apply this technique to traditional choral music from all periods: Medieval, Renaissance, Baroque, Classical, Romantic, as well as many modern day composers. This is a smaller ensemble than the Concert Choir.

Concert Choir

Grade Levels: 9-12

Graduation Requirement - Visual/Performing Arts

Prerequisite: None

College approved for the CSU/UC Systems

Course Description: This choir is designed for all students who want to learn to sing with proper vocal technique and learn to read music. It is for beginners as well as advanced musicians. It is a class where you learn to sing music from all periods: Medieval, Renaissance, Baroque, Classical, Romantic, as well as many modern day composers. The class will help you develop your ear and become a better musician. Concert Choir is our largest ensemble. If you want a full year of Concert Choir, sign up for 2 terms. If you only want 1/2 the year, sign up for one. **No experience is necessary.**

Drumline (Percussion)

Grade Levels: 9-12

Graduation Requirement - Visual/Performing Arts

Prerequisite: None

College approved for the CSU/UC Systems

Course Description: If you are interested in the drums and playing in an ensemble, this is the perfect class for you. We have a full line of equipment waiting for you to learn to play. This class performs at many school events such as rallies and at football, basketball games. This is a fun class where you will learn to read music and play a variety of percussion instruments. **No experience is necessary.**

Guitar 1

Grade Levels: 9-12

Graduation Requirement - Visual/Performing Arts

Prerequisite: None

College approved for the CSU/UC Systems

Course Description: This class is designed for any student interested in the guitar. Most students are beginners; however, advanced students will also benefit from music theory. All students will learn to read music in this class. It is an enjoyable class for all students. **No experience is necessary.**

Guitar 2

Grade Levels: 9-12

Graduation Requirement - Visual/Performing Arts

Prerequisite: Guitar 1

Course Description: This class is designed for the intermediate guitarist. You must know how to read music. Ensemble playing, improvisation, writing your own music, and playing leads are just a few of the skills you will learn in this class. This is an enjoyable class for the guitarist who wants to take their music to the next level. If you want a full year of guitar, sign up for Guitar 1 & Guitar 2

Career Technical Education

[CTE Video Link](#)

Principles of Teaching

Grade Level: 10-12

Graduation Requirement - Elective/CTE Pathway

Prerequisite: None

Course Description: Principles of Teaching and Learning provides students with a history of major learning theories, trends in education, the sociology of education, and principles of teaching and learning. Included are an overview of the teaching profession, school governance, growth and development, classroom management, principles of effective teaching, and curriculum. All students are required to observe and/or participate in a variety of settings and classrooms at the primary/elementary, middle/junior high, and/or secondary levels. The course prepares students for entry into college or university teacher training programs.

Teaching Internship

Grade Level: 10-12

Graduation Requirement - Elective/CTE Pathway

Prerequisite: Principles of Teaching & Student Character Application and Teacher Recommendation

Teaching Internship provides a unique opportunity to gain real world experience designing curriculum and facilitating STEAM (Science, Technology, Engineering, Art, and Math) based education workshops for K-12 elementary and secondary school students. Throughout the year students engage in leadership roles working one on one with students as well as designing and leading the class in activities. Developing a relationship through observation, conversation, and collaboration with peers and instructors is an integral part of the course. This course is not only a phenomenal addition to college applications for those who might be interested in a career in Education but also the capstone course that completes the CTE Education Pathway.

Intro Automotive Services

Grade Level: 10-12

Graduation Requirement - Elective/CTE Pathway

Course Description: Entry-level instruction focused on Automotive basic maintenance and upkeep.. Introduction to engines and engine rebuilds. Introduction to cooling systems and testing. Introduction to brakes and replacing brake systems. Shop tools, equipment and shop safety. Introduction to becoming a tech in the transportation industry. How the Bar can assist you if you have a discrepancy with a shop Most work is delivered hands on with common assessment at the end of every section.

Advanced Automotive Services *(class held on Placer High Campus)*

Grades: 11 - 12

Graduation Requirement : Elective/CTE Pathway

Prerequisite: Two Terms of Intro to Automotive Services with C or better

Recommended for full year but can do 1 Term only

Course Description: Advanced instruction in all A.S.E. (Automotive Service Excellence) areas including: introduction to on-board computers and testing; smog control testing procedure advance electrical. Internship opportunities may include: auto dealerships, automotive repair or body shops, retail parts businesses, machine shops, brake and front end shops, motorcycle repair shops, aircraft or specialty shops.

Business Leadership 2

Grade Level: 9-12

Graduation Requirement -Elective/CTE Pathway

Prerequisite: Requires an application and instructor approval.

College approved for the CSU/UC Systems

Course Description: The objective of the Colfax High School Leadership class is to train new leadership students to operate as a team member in the Colfax BusLeadership program. New members will learn production management processes and skills so they can consistently contribute to the Leadership mission and develop skills to become candidates for project chair positions in the current year and project chair, captain/officer positions in BusLeadership 3. A high percentage of students having had the experience of leadership classes have found that it has prepared them for the many challenges encountered after high school.

Business Leadership 3

Grade Level: 9-12

Graduation Requirement -Elective/CTE Pathway

Prerequisite: Application and instructor approval, completion of BusLeadership 2

College approved for the CSU/UC Systems

Course Description: The objective of the Colfax High School BusLeadership 3 class is to train student project chairs, officers and skills captains to operate the Colfax Leadership program. Officers, captains, and project chairs will be taught to design, manage, execute and evaluate all leadership sponsored events and programs. Additionally, officers, captains and project chairs will teach leadership members the same processes so they can consistently contribute to the BusLeadership mission. A high percentage of students having had the experience of leadership classes have found that it has prepared them for the many challenges encountered after high school.

Comp Net Tech 1 & 2 (CTT)

Grade Level: 10-12

Graduation Requirement - Elective/CTE Pathway

Prerequisite: Teacher approval

Course Description: Students can apply (with a resume) to be part of the Colfax Technology Team (Customer Service and Technicians). Selected students need to be independent learners, trustworthy, have a strong work ethic, and be responsible. This class requires participation in a summer training program where students will be trained to work on the team for the upcoming school year. Students will learn basic programming, networking, hardware and complete technology based term projects. Each block during the year will employ both Technicians and Customer Service personnel who, alongside the System Administrator, will provide technology support to teachers, students and staff. Team members will be trained to perform specified repairs, maintenance and management of Colfax High School IT resources.

Introduction to Engineering Design (IED)

Grade Levels: 9-12

Graduation Requirement - Elective/CTE Pathway

Prerequisite: Completion of Integrated Math 1 with a “C” or better, strong math skills recommended.
College approved for the CSU/UC Systems

Course Description: Have you ever wondered how someone designed that new tool or sleek new phone? Then Introduction to Engineering Design is the course for you. The major focus of the course is learning how to take an idea through a design process that will eventually be manufactured or produced. As you learn about various aspects of engineering and engineering design, such as how engineers communicate through drawing, you will apply what you learn through various wood projects.

Computer Integrated Manufacturing (CIM)

Grade Levels: 10-12

Graduation Requirement - Elective/CTE Pathway

Prerequisites: Intro to Engineering Design with a C or better, strong math skills.

Course Description: How are things made? What processes go into creating products? Is the process for making a jewelry box the same as it is for a musical instrument? How has automation changed the face of wood manufacturing? While students discover the answers to these questions, they’re learning about the tools of manufacturing, manufacturing processes, computer modeling and current manufacturing equipment. This course is focused on designing projects using CAD and making projects in both a traditional woodshop as well as using CNC manufacturing machines.

CIM is being offered to Colfax High School students as a dual credit class. The Placer Union High School District has partnered with Sierra College to offer a limited number of dual-credit courses. The courses will be offered during the regular school day by our own credentialed and full-time high school teachers who are also qualified to teach college level courses. Students in dual-credit courses will be enrolled in Sierra College and will enjoy the benefits of being a student there, including library privileges. Students will generate a Sierra College transcript and a separate grade from their high school scores.

Engineering Design and Development (EDD)

Grade Levels: 11-12

Graduation Requirement - Elective/CTE Pathway

Prerequisite: Completion of IED, CIM with a “C” or better and instructor approval

College approved for the CSU/UC Systems

Course Description: Engineering Design and Development (EDD) is the capstone course in the PLTW high school engineering program. It is an open-ended engineering research course in which students work in teams to design and develop an original solution to a well-defined and justified open-ended problem by applying an engineering design process.

Principles of Mechatronics/DE Principles of Mechatronics

Grade Levels: 10-12

Graduation Requirement – Elective/DE Course

Prerequisite: Completion of Int. Math 1 with a “C” or better

College approved for the CSU System

Course Description: Mechatronics is the merger of mechanics, electronics, and computer technologies. This class is a survey of electronic technology presented in the context of science. This class will explore topics ranging from basic circuits to microprocessors, including electronics, music, robotics, electric vehicles, semiconductors, and communications. Students will examine the scientific, historical, political, and economic connections to electronic technology. Through hands-on lab activities, students will be introduced to basic electronics and components, program and interface with a microcontroller, build circuits, engineer structures, and more.

Principles of Mechatronics is being offered to 10-12th grade Colfax High School students as a dual credit class. The Placer Union High School District has partnered with Sierra College to offer a limited number of dual-credit courses. The courses will be offered during the regular school day by our own credentialed and full-time high school teachers who are also qualified to teach college-level courses. These classes will count for transferable college credits as well as meeting the high school graduation requirements for the Placer Union High School District. Students in dual-credit courses will be enrolled in Sierra College and will enjoy the benefits of being a student there, including library privileges. Students will generate a Sierra College transcript and a separate grade from their high school scores

Metal 1

Grade Levels: 9-12

Graduation Requirement - Elective

Prerequisite: None

Course Description: Students will have an introduction to metalworking tools, project development, technologies, and careers. Students will use these tools and technologies to build various small projects. Projects for this class will challenge students and stimulate problem-solving. Some areas of concentration will be sheet metal, fasteners, heat treatment, forging, and introduction to welding. This course is designed to give students a basic understanding of metalworking and the skills needed to move on to Metal 2.

[Metal 2 & 3](#)

Grade Levels: 9-12

Graduation Requirement - Elective

Prerequisite: Metal 1 with a “B-” or better

Course Description: This class will be an advanced study of the metalworking field and will build on the student’s metalworking experience. Students will deepen their understanding and skill of the metalworking tool, project development, and technologies used in class. Advanced students will have an opportunity to build challenging projects of their choice while learning how to estimate production time and timekeeping.

[Video Production \(Broadcasting 1\)](#)

Grade Levels: 9-12

Graduation Requirement – Elective/CTE Pathway

Prerequisite: none

College approved for the CSU/UC Systems

Course Description: This introductory-level course provides an overview of digital video editing, production skills & equipment, as well as an introduction to industry roles within the field of Broadcasting. Students will learn the foundational skills of Camera, Light, Sound, Editing, and Writing for broadcast television. Additionally students will learn the foundational skills for Live Television production and create projects at the introductory level that will mirror what Broadcast 2-3 students are doing for the weekly Ctv show. This course requires outside of class production time.

Counts as an “F”/Visual and Performing Arts in the A - G curriculum

[Broadcasting 2](#)

Grade Levels: 9-12

Graduation Requirement – Elective/CTE Pathway

Prerequisite: Broadcasting 1 with a C (All foundational skills at 2.5) or better.

College approved for the CSU/UC Systems

Course Description: This intermediate-level course provides a deeper dive into the foundational skills of camera, light, sound, and editing for broadcast television and an emphasis on writing for television. Students will be expected to create content for and help produce the weekly Ctv show. This course requires attendance at planning/training sessions outside of class and outside of class production time.

Counts as an “F”/Visual and Performing Arts in the A - G curriculum

[Broadcasting 3](#)

Grade Levels: 11-12

Graduation Requirement – Elective/CTE Pathway

Prerequisite: Broadcasting 2 C (All foundational skills at 2.5) or better and Teacher Recommendation

Course Description: This advanced-level course is intended for experienced broadcast students to build, manage and deliver the weekly Ctv show. Students will be responsible for leading production teams to create content (write, shoot, edit stories), create graphics, write anchor scripts and produce a live television show. Leaders will contribute to production boards that will guide team members in the timely production of the

show. This course requires attendance at planning/training sessions outside of class and outside of class production time. All broadcast 3 students should expect to submit work for review by an external competition.

Broadcasting 3-Video Production Dual Credit

Grade Levels: 11-12

Graduation Requirement – Elective/CTE Pathway

Prerequisite: Broadcasting 2 with a B or better, Teacher Recommendation, Must be a Junior or Senior
College approved for the CSU/UC Systems

Course Description: Use of digital cameras for producing short form video projects. Introduction to principles, techniques and the terminology of video production and digital filmmaking. Guided classroom exercises and projects, including pre-production planning, video and audio recording techniques, on-location set-ups and studio set-ups, lighting for filmmaking, and basic video editing and output. This course requires attendance at planning/training sessions outside of class and outside of class production time. All broadcast video production students will submit work for review by an external competition.

Video Production is being offered to Colfax High School students as a dual credit class. The Placer Union High School District has partnered with Sierra College to offer a limited number of dual-credit courses. The courses will be offered during the regular school day by our own credentialed and full-time high school teachers who are also qualified to teach college level courses. These classes will count for transferable college credits as well as meeting the high school graduation requirements for the Placer Union High School District. Students in dual-credit courses will be enrolled in Sierra College and will enjoy the benefits of being a student there, including library privileges. Students will generate a Sierra College transcript and a separate grade from their high school scores.

English

English 9

Grade Level: 9

Graduation Requirement –English

Prerequisite: None

College approved for the CSU/UC Systems

Course Description: English 9, as outlined by the California Common Core State Standards for English Language Arts (ELA), is a comprehensive course that articulates rigorous grade level expectations to prepare all students to be college and career ready. Students will examine fiction, drama, poetry, nonfiction, and informational materials to increase reading comprehension, develop vocabulary, and critically respond and analyze text. Students will understand the importance of the writing-reading connection by drawing on and writing about evidence from literary and informational texts. Writing assignments will include paragraph development, summaries, and essays. Students will develop narrative, expository, and argument essays. Students will learn essential “rules” of standard written and spoken English and approach language as a matter of craft and informed choice among alternatives. Students will develop a range of broadly useful oral communication and interpersonal skills. Students will learn to work together, express and listen carefully to ideas, integrate information from oral, visual and media courses, evaluate what they hear, use media and visual displays strategically to help achieve communicative purposes, and adapt speech to contest and task.

English 10

Grade Level: 10

Graduation Requirement –English

Prerequisite: English 9

College approved for the CSU/UC Systems

Course Description: As outlined by the California Common Core State Standards for English Language Arts (ELA), English 10 continues skills begun in English 9. This comprehensive course articulates rigorous grade-level expectations to prepare all students to be college and career ready. Students will examine fiction, drama, poetry, nonfiction, and informational materials to increase reading comprehension, develop vocabulary, and critically respond and analyze text.

Students will understand the importance of the writing-reading connection by drawing on and writing about evidence from literary and informational texts. Writing assignments will include paragraph development, summaries, précis, and essays. Students will develop narrative, expository, and argument essays. Students will learn essential “rules” of standard written and spoken English and approach language as a matter of craft and informed choice among alternatives. Students will develop a range of broadly useful oral communication and interpersonal skills. Students will learn to work together, express and listen carefully to ideas, integrate information from oral, visual, and media sources, evaluate what they hear, use media and visual displays strategically to help achieve communicative purposes, and adapt speech to context and task.

English 11/IB English Lang & Literature HL 1

English 12/IB English Lang & Literature HL 2 (second level of a two year course)

Grade Level: 11 & 12

Graduation Requirement – English

Prerequisite: English 10

College approved as a weighted class for the CSU/UC Systems

Course Description: The Language A: Language and Literature course introduces the critical study and interpretation of written and spoken texts from a wide range of literary and non-literary genres. The formal analysis of texts is supplemented by awareness that meaning is not fixed but can change in respect to contexts of production and consumption. The course is organized into four parts, each focused on the study of either literary or non-literary texts. Together, the four parts of the course allow the student to explore English through its cultural development and use, its media forms and functions, and its literature. Students develop skills of literary and textual analysis, and also the ability to present their ideas effectively. A key aim is the development of critical literacy.

Mathematics

Integrated Math 1

Grade Levels: 9-12

Graduation Requirement –Math

Prerequisite: Placement is based upon a readiness test given by the CHS Math Department

College approved for the CSU/UC Systems

Course Description: This is the first course in a three-part series that replaces the traditional sequence of Algebra 1, Geometry and Algebra 2. The course is designed around the Common Core State Standards. Integrated Math I is

the first course that most students will be enrolled in. The course covers key algebra topics of linear and exponential functions. The course also focuses on geometric transformations and congruence. Successful completion of the majority of the course material will give the student credit for Integrated Math 1.

Integrated Math 2

Grade Levels: 9-12

Graduation Requirement –Math

Prerequisites: Integrated Math 1 with a grade of C or better.

College approved for the CSU/UC Systems

Course Description: This is the second course in a three course college

Preparatory series that replaces the traditional sequence of Algebra 1, Geometry and Algebra 2. The course is designed around the Common Core State Standards. In Integrated Math 2 students will add quadratic models to linear and exponential models learned in Integrated Math 1. The study of similarity, Pythagorean relationships, right triangle trigonometry, and circles will be directly connected with the students' knowledge of quadratics. It is recommended that students receive at least a C grade in this course before moving on to Integrated 3.

Integrated Math 3

Grade Levels: 10-12

Graduation Requirement –Math

Prerequisite: Integrated Math 2 with a grade "C" or better

College approved for the CSU/UC Systems

Course Description: Integrated Math 3 is the third course in a three course college preparatory series. Students pull together and apply the accumulation of learning that they have from their previous courses. The students will look at additional models of mathematics that help to build background for advanced math and science courses.

Math Analysis and Approaches SL 1/Preparation Course

Math Analysis and Approaches IB SL 2 (second level of a two year course)

Grade Levels: 11-12

Graduation Requirement - Math, Elective/IB Course

Prerequisite: Integrated Math 3 with a grade "C" or better and teacher approval

College approved for the CSU/UC Systems

Course Description: This course is the replacement of Pre-Calculus and Calculus. Students will review and further study functions, conic sections and trigonometry, concentrating on the application of trigonometric functions. This material is covered to prepare the student for a college level calculus class. Other topics, such as probability, statistics, and matrices, are part of the course to prepare the student for courses other than calculus and to develop quantitative decision making skills. There is a research paper that is started in IB Math SL part 1 and is completed in IB Math SL2 (Calculus). This paper is an IB internal assessment and is graded by a committee of IB math instructors.

*GPA bump is not granted for the first level/prep course.

Statistics/ Dual Enrollment (currently through Maidu Virtual Charter Academy)

Grade Levels: 10-12

Graduation Requirement – Math, Elective/DE Course

Prerequisites: Integrated Math 3 with a grade of C or better, or teacher recommendation.

College approved for the CSU/UC Systems

Course Description: An Introduction to the basic concepts of statistics. Emphasis on statistical reasoning and application of statistical methods. Areas included: graphical and numerical methods of descriptive statistics; basic elements of probability and sampling; binomial, normal, and Student's t distributions; confidence intervals and hypothesis testing for one and two population means and proportions; chi-square tests for goodness-of-fit and independence; linear regression and correlation; and one-way analysis of variance. Students will earn 4 units of Sierra College MATH 0013 credit

Intro to Stats is being offered to Colfax High School students as a dual credit class. The Placer Union High School District has partnered with Sierra College to offer a limited number of dual-credit courses. The courses will be offered during the regular school day in an asynchronous format. These classes will count for transferable college credits as well as meeting the high school graduation requirements for the Placer Union High School District. Students in dual-credit courses will be enrolled in Sierra College and will enjoy the benefits of being a student there, including library privileges. Students will generate a Sierra College transcript and a separate grade from their high school scores.

Career Math

Grades: 11-12

Graduation Requirement: Mathematics or Third Year Math

A-G: No (Non college prep class)

Prerequisite: Integrated Math 1 with a C- or above

Course Description: Career Math is a course designed for students who have taken all of the college required prep math and are interested in additional math applications for future life finances and/or to their career.

The course will have two areas of focus:

1. CAREER MATH - Exploring areas of math needed for careers such as plumbers and civil service government work.
2. PERSONAL FINANCE - Expanding math skills used for creating budgets, savings, investing, buying homes/vehicles and other life budgeting.

EXPLORING DATA SCIENCE

Grades: 10-12

Graduation Requirement: Mathematics or Third Year Math

A-G: C (Equivalent to Int Math 3)

Prerequisite: Integrated 2 with a grade of "C" or better

Course Description: Data Science is the third course in a three-course college preparatory series. This curriculum will introduce students to the main ideas in data science through free tools such as Google Sheets, Python, Data

Commons, and Tableau. Students will learn to be data explorers in project-based units, through which they will develop their understanding of data analysis, sampling, correlation/causation, bias and uncertainty, probability, modeling with data, making and evaluating data-based arguments, the power of data in society, and more! At the end of the course, students will have a portfolio of their data science work to showcase their newly developed abilities. This new data-intensive world can be difficult to navigate; decisions that used to be straightforward are now more complex, requiring individuals to be constantly separating fact from fiction. In short, the need to analyze and interpret data is no longer confined to engineering or computer programming; it has become an essential life skill. Everywhere we turn, data is telling and weaving stories about our world.

Physical Education

PE 9

Grade Level: 9

Graduation Requirement – P.E.

Prerequisite: Required course for all freshman

Course Description: This class introduces students to the basics of general fitness programs for a healthy lifestyle. Students will study the basic human muscular system along with principles of resistance training. Select health and wellness topics will be covered in this course. Students will participate in a variety of individual, dual, and team sports along with recreational activities. Emphasis is on learning the rules, basic strategies, and good sportsmanship. Students also engage in daily stretching, core strength training and cardiovascular conditioning activities.

PE Team Sports

Grade Level: 9 - 12

Graduation Requirement – P.E.

Prerequisite: None

Course Description: This course provides students with the opportunity to learn, participate, and develop skills in alternative team and individual sports such as volleyball, spikeball, foot & Frisbee golf, ultimate Frisbee, basketball, team handball, pickleball, soccer, etc. Students will also maintain and build cardiovascular and total body fitness through body weight circuit training and core exercises geared toward developing healthy lifelong fitness habits.

PE Football, Adv. Football

Grade Level: 9-12

Graduation Requirement – P.E.

Prerequisite: PE 9 (**9th grade students will not receive PE credit for this course**)

Course Description: This course is designed for football players currently involved in the CHS football program. The focus of this class is the development of muscle strength, cardiovascular endurance, speed, and agility. This class is intended for football players who wish to push their level of training with a rigorous physical conditioning program which will enhance their athletic performance.

Basketball PE

Grade Level: 9-12

Graduation Requirement: - P.E.

Prerequisite: P.E. 9.

Must be on or planning to be on the Basketball team (9th grade students will not receive PE credit for this course)

Course Description: The Physical Education class provides each student with the opportunity to participate in a comprehensive program consisting of skill development, lead up games, team sports, and physical fitness activities. The students receive instruction in rules, skills, and strategies associated with the game of basketball. This class is intended for basketball players who wish to amplify their skills and strength. Individuals participate in learning experiences involving physical conditioning and health concepts. Students will learn how to lead healthy and fit lifestyles that are sustainable throughout their future growth. The program promotes the spirit of cooperation, leadership, fair play, and competition.

Class will consist of:

1. Exercises for flexibility, agility, and strength
2. Endurance activities and health concepts
3. Team and individual basketball skill development

PE Yoga and Fitness

Grade Level: 9-12

Graduation Requirement – P.E.

Prerequisite: None

Course Description: PE Yoga and Fitness is a class designed for the student who is looking to increase his or her personal level of fitness. Yoga can serve as a supplemental training for sports by developing strength and flexibility which helps reduce injuries. This class is suited for students of all physical abilities. The class will include cardiovascular conditioning and core training in addition to Yoga/Pilates conditioning exercises. This yoga practice entails poses taken from the Hatha Yoga form and applied for muscle conditioning, flexibility, balance, and breathing control.

PE Advanced Weight Training

Grade Level: 10-12

Graduation Requirement – P.E.

Prerequisite: PE 9

Course Description: This weight training and lifting course focuses on developing students' physical fitness and lifting proficiency through a comprehensive curriculum. The course utilizes a grading system based on Essential Standards (ES) that assesses students across various levels of complexity. Students will engage in activities aimed at enhancing their understanding of proper lifting techniques, spotting, maintaining a safe environment, participating in physical activity, and creating personalized fitness goals.

PE Advanced Weight Training

Grade Level: 10-12

Graduation Requirement – P.E.

Prerequisite: PE 9

Course Description: This weight training and lifting course focuses on developing students' physical fitness and lifting proficiency through a comprehensive curriculum. The course utilizes a grading system based on Essential Standards (ES) that assesses students across various levels of complexity. Students will engage in

activities aimed at enhancing their understanding of proper lifting techniques, spotting, maintaining a safe environment, participating in physical activity, and creating personalized fitness goals.

Asynchronous PE

Grade Level: 10-12

Graduation Requirement: PE

Prerequisite: PE 9

Course Description: This class is recommended for school or club athletes. Asynchronous PE gives an opportunity for students who are active outside of school to log their activity for PE credit while completing workouts as directed by the instructor.

Science - (Life Science)

Biology

Grade Levels: 9-10

Graduation Requirement – Life Science

Prerequisite: None

College approved for the CSU/UC Systems

Course Description: Biology is a required laboratory science that is designed to meet the needs of the college preparatory student within the Life Science requirement. Course topics include ecology, cell biology, genetics, evolution, and anatomy and physiology.

IB Biology HL 1

IB Biology HL 2 (second level of a two year course)

Grade level: 11-12

Graduation Requirement – Life Science, Elective/IB Course

Prerequisite: Biology & Chemistry, as well as Teacher or CHS counselor recommendation

College approved for the CSU/UC Systems

Course Description: IB Biology HL is a two-year course that meets the science requirement for the International Baccalaureate Diploma Programme (DP). This course encourages students to become involved in the investigative and critical thinking aspects of science. Students will participate in over 60 hours of lab experiences during which they will design investigations, gather data, analyze results, and communicate their findings at a professional level. Students will also acquire a vast body of knowledge in the core concepts of

Biology. Topics within this area of study include: cell biology, molecular biology, genetics, ecology, evolution, biodiversity, and human physiology.

Anatomy / Physiology Honors

Grade Level: 10-12

Graduation Requirement – Life Science

Prerequisite: Biology with a C or better

College approved for the CSU/UC Systems

Course Description: This advanced life science class features an overview of the human body, and includes content that progresses from a cellular and tissue level to complete body systems. Included objectives are to provide a detailed knowledge of the human body and to familiarize students with its orientation. The course is designed so students will become familiar with the basic terminology of the nervous, muscular, skeletal, integumentary, digestive, and respiratory systems of the human body. Students will also be able to describe the structure and function of each system and will develop an understanding of the physiology of these systems as it relates to anatomy and to include basic knowledge of pathogens (diseases) that affect these systems.

Advanced Placement Environmental Science

Grade Level: 10-12

Graduation Requirement – Life Science, Elective/AP Course

Prerequisite: Biology with a B or better or teacher's approval

College approved for the CSU/UC Systems

Course Description: Environmental Science AP is a college-prep, laboratory science course. For those interested in learning more about local and global environmental issues and how to manage them. This course is designed to provide students with the scientific principles, concepts and methodologies required to understand the interrelationships of the natural world. Students will identify and analyze environmental problems both natural and man-made, and will evaluate risks and examine alternative solutions for resolving and or preventing problems. Students will work independently and in teams to complete weekly labs, conduct field studies, and go on field trips. Students will have the opportunity to take the AP Environmental Science exam at the end of the year. Students who pass may earn college credit, depending on the college.

Environmental Systems & Societies IB SL

Grade Level: 11-12

Graduation Requirement – Life Science, Elective/IB Course

Prerequisite: Biology with a B or better or teacher's approval

College approved for the CSU/UC Systems (Pending)

Course Description: ESS SL IB is firmly grounded in both a scientific exploration of environmental systems in their structure and function and in the exploration of cultural, economic, ethical, political, and social interactions of societies with the environment. As a result of studying this course, students will become equipped with the ability to recognize and evaluate the impact of our complex system of societies on the natural world.

Wildlife, Fisheries and Forestry

Grade Level: 11-12

Graduation Requirement: Life Science

Prerequisite: Biology with a C or better.

Course Description: Wildlife, Fisheries and Forestry is a life science course designed for students who have a natural interest in the outdoor world around them. Topics of study: wildlife—vertebrate natural history, mammalogy, animal behavior, wildlife ecology and management; fisheries—fish biology, ichthyology, fish ecology and management; and forestry— botany, range management, forest management, and forest ecology. This course has approval for University of California “d” science credit. Wildlife, Fisheries and Forestry is taught using a variety of methods including hands-on activities, guest speakers, field activities in our school forest, multimedia, and classroom-based learning.

Science - (Physical Science)

Chemistry

Grade Levels: 10-12

Graduation Requirement – Physical Science

Prerequisite: Biology and completion of Integrated 2 or higher

College approved for the CSU/UC Systems

Course Description: Chemistry is a college-prep, laboratory course, designed to introduce the student to the basic principles, concepts, and techniques of the discipline. The course is designed to help students develop an understanding of chemistry and its role in society. Topics will include atomic structure, quantum mechanics, the mole, stoichiometry, thermochemistry, and gas laws.

AP Chemistry

Grade Levels: 10-12

Graduation Requirement – Physical Science, Elective/AP Course

Prerequisite: Chemistry with a “B” or better or instructor approval

College approved for the CSU/UC System

Course Description: AP Chemistry is an intensive, one-term course designed to be equivalent to a general college chemistry course. Course emphasis is on lab work, activities, problems and lectures which develop the students' chemistry knowledge and analytical skills through the in-depth study of equilibrium, energy, reaction rates, acid/base chemistry and other topics. Students will have the opportunity to take the AP Chemistry exam at the end of the year. Students who pass may earn college credit, depending on the college.

Physics

Grade Levels: 11-12

Graduation Requirement – Physical Science

Prerequisites: Completion or concurrent enrollment of IB Math SL 1

College approved for the CSU/UC Systems

Course Description: Physics is designed for students who want to further their knowledge in the physical sciences. Topics covered are the fundamental laws of classical physics, modern theories of the origin and evolution of the universe, the fundamental forces and particles, light, heat, and sound. An emphasis is placed on problem solving, as well as the history of science.

AP Physics

Grade Levels: 11-12

Graduation Requirement – Physical Science, Elective/AP Course

Prerequisites: Completion or concurrent enrollment of IB Math SL 1

College approved for the CSU/UC Systems

Course Description: Covers the same topics as the regular physics course but with the rigor and conceptual level of a college freshman course. As appropriate to a college-level course, we expect students to demonstrate strong evidence of independent learning, working cooperatively in groups, and peer-teaching and peer-review. We will focus on student-centered learning and guided inquiry for a large portion of the class, with the explicit goal of developing critical thinking skills, analytic reasoning, and the ability to communicate results clearly and accurately. Students will have the opportunity to take the AP Physics exam at the end of the year. Students who pass may earn college credit, depending on the college.

Plant and Soil Science

Grade Levels: 10-12

Graduation Requirement – Physical Science

Prerequisite: Biology with a C or better.

College approved for the CSU/UC Systems

Course Description: Plant and Soil Sciences is an applied laboratory class exploring the dynamic interaction between soils and plants. Throughout the term, students will master the fundamentals of soil types and functions, experiment with test plots in our greenhouse, and grow organic food for our cafeteria following sustainable, farm-to-fork principles. Important themes include origins of soils and soil nutrients, crop diversity and rotation, composting and organic fertilizers, agricultural impacts on ecosystems, irrigation design and maintenance, gardening techniques, and basic construction. Plant and Soil Sciences is an ideal course for students interested in a career in agriculture, food services, or organic chemistry.

Integrated Science

Grade level: 9-10

Graduation Requirement – Physical Science

Prerequisite: none

College approved for the CSU/UC Systems

Course Description: Integrated Science is a foundational, physical science course focused on Earth Systems, Energy, and relationships between the physical and biological worlds. Designed around the Next Generation Science Standards to emphasize the crosscutting concepts of each science discipline, the course covers topics such as: Matter and Energy, Space Systems, The History of the Earth, Interaction of Earth Systems, Weather and Climate, Human Sustainability, and 21st century Science Skills. Integrated Science meets the A-G requirements for Physical Science, and provides the foundational skills to prepare students for success throughout Colfax High School's science, math, and engineering programs.

Social Sciences

American Government/Economics

Grade Level: 10

Graduation Requirement – American Government/ Economics

Prerequisite: None

College approved for the CSU/UC Systems

Course Description: American Government is an introduction to the American political system, including an analysis of local, state, and federal government, political parties, the judiciary and comparative government. Students read, analyze, and discuss a variety of articles and debate controversial subjects. In Economics, the students will have an opportunity to pursue a wide range of topics in basic economics, including comparative economic systems, taxes, economic vocabulary, famous economists, and the stock market. Students will be required to complete projects on savings, retirement, and small business functions.

History IB HL 1

History of the Americas IB HL 2 (second level of a two year course)

Graduation Requirement – World Studies and US History

Prerequisite: None

College approved for the CSU/UC Systems

Course Description: The Diploma Program (DP) history course is based on a comparative, multi-perspective approach to history and focused around key historical concepts such as change, causation and significance. It involves the study of a variety of types of history, including political, economic, social and cultural, encouraging students to think historically and to develop historical skills. Students in this course will additionally explore the Higher Level Option: History of the Americas and proscribed subjects/topics including rights and protest, independence movements, and evolution and development of democratic states. The DP history course requires students to study and compare examples from different regions of the world, helping to foster international mindedness. IB history is a two term course taken during students' 11th and 12th grade years. This course will satisfy the history/social science graduation requirements for World Studies and U.S. History.

IB World Religions SL

Grade Level: 11 or 12

Graduation Requirement: Elective/IB Course

Course Prerequisites: English 9 & 10 with a grade of C or better. Gov/Econ with a grade of C or better.

Co-enrollment in grade level English and History courses

Course Description:The IB World Religions course is a systematic, analytical yet empathetic study of the variety of beliefs and practices encountered in five main religions of the world. The course seeks to promote an awareness of religious issues in the contemporary world by requiring the study of a diverse range of religions. The religions will be studied in such a way that students acquire a sense of what it is like to belong to a particular religion and how that influences the way in which the followers of that religion understand the world, act in it, and relate and respond to others. All IB courses are available only to 11th and 12th grade students

World Language

Spanish 1

Grade Level: 9-12

Graduation Requirement – World Language (Foreign Language/Fine Art)

Prerequisite: 8th grade teacher recommendation and/or Colfax High teacher approval.

College approved for the CSU/UC Systems

Course Description: Spanish 1 begins the preparation for IB courses in Spanish Language. The goal of this course is to help students begin to communicate in Spanish through written and oral expression. The study of a second language will help them become a more active participant in the global community. The course integrates language with history, culture, daily life, community, health and our environment. Through the study of history and culture, emphasis is placed on interconnectedness, global awareness and the broad movements and patterns of the history of Spanish speakers. Vocabulary and grammatical structures will be taught in context. The course is designed to stimulate interest in and foster respect for other peoples and cultures. Students will be taught in an environment that fosters risk-taking and reflective thinking.

Spanish 2

Grade Levels: 9-12

Graduation Requirement – World Language

Prerequisite: Spanish I with a 2/C or higher

College approved for the CSU/UC Systems

Course Description: Spanish 2 is a second year college preparatory course. Spanish 2 continues the preparation for IB courses in Spanish Language. The goal of this course is to help students begin to communicate in Spanish through written and oral expression. The study of a second language will help them become a more active participant in the global community. The course integrates language with history, culture, daily life, community, health and our environment. Through the study of history and culture, emphasis is placed on interconnectedness, global awareness and the broad movements and patterns of the history of Spanish speakers. Vocabulary and grammatical structures will be taught in context. The course is designed to stimulate interest in and foster respect for other peoples and cultures. Students will be taught in an environment that fosters risk-taking and reflective thinking.

Spanish 3

Grade Levels: 10-12

Graduation Requirement – World Language

Prerequisite: Spanish 2 with a grade of 2/C or better or teacher approval

College approved for the CSU/UC Systems.

Course Description: Spanish 3 is a college preparatory course that reviews all grammar, with emphasis on the past, future, conditional, and complex tenses. Extended vocabulary is enhanced through short web pages, articles, skits, literature, and plays. Oral fluency is stressed, along with written emphasis. Students will write essays, stories, poems, and skits with continued cultural emphasis. College level study habits are essential. All students are encouraged to take 4 years of Spanish and earn a 'B' average to earn the State of California Seal of Biliteracy, thus graduating college and career ready.

IB Spanish SL 1

Grade Levels: 11-12

Graduation Requirement – World Language, Elective/IB Course

Prerequisite: Spanish 3 with a grade of 2/C or better or teacher approval.

College approved for the CSU/UC Systems and International Baccalaureate (first of 2 courses, SL1 and SL2 Spanish 5 required for IB Diploma Bound students).

Course Description: The aim of this course is to continue with the introductory study in the vocabulary and structures of Spanish, and to develop a functional level of communicative proficiency in the language. The course seeks to develop all the basic language skills: listening, speaking, reading and writing. Students will also be introduced to various aspects of the society and culture of Spain and other Spanish speaking countries in Latin America through audio and video extracts and short texts. The emphasis throughout will be on communicative skills both oral and written.

This course required for IB students explores world issues and themes such as Sharing the Planet, Health and Wellbeing, Identity and Community, Customs and Traditions, etc. This is a rigorous course that follows IB approaches to learning: based on inquiry, focused on conceptual understanding, focused on local and global concepts, focused on teamwork and collaboration, is differentiated to meet the needs of all learners, and is based on formative and summative assessments in all language skill areas, including theme-based listening, speaking, reading and writing, embedded in the cultures of the Spanish speaking world.

IB Spanish SL 2 (Second level of a two year course)

Grade Levels: 11-12

Graduation Requirement – World Language, Elective IB Course

Prerequisite: IB SL1 with a grade of 2/C or better

College approved for the CSU/UC Systems

Course Description: This second course is required for IB students and continues to explore World issues and themes such as Sharing the Planet, Health and Wellbeing, Identity and Community, Customs and Traditions, etc. This is a rigorous course that follows IB approaches to learning: based on inquiry, focused on conceptual understanding, local and global concepts, teamwork and collaboration, is differentiated to meet the needs of all learners, and is based on formative and summative assessments in all language skill areas, including theme-based listening, speaking, reading and writing, embedded in the cultures of the Spanish speaking world.

DE Spanish 3 (SPAN 0002/DE Spanish 4 (SPAN 0003)

Grade Levels: 10-12

Graduation Requirement - World Language, Elective/DE Course

Prerequisite: Spanish 2 or 3 (recommended with “C” or better)

In this advanced class students will become more proficient in this 2nd language. Students will demonstrate success comprehending, speaking, reading and writing in the present, past, future, & other complex grammatical structures. They'll continue to increase vocabulary through the study of literature. Students will make comparisons, think critically, and recognize their life and role in a global society. This is a dual enrollment class with Sierra College and is offered in an Asynchronous format.

Non-Departmental / Integrated Classes

Life Skills for Wellness

Grade Level: 11-12

Graduation Requirement - Life Skills for Wellness

Prerequisite: None

“Everything you didn’t learn in high school”

Course Description: This course is designed for students to learn essential life skills that lead to success after high school.

Lessons taught will include:

- Personal Habits - decision making, goal setting, habits of highly effective teenagers.
- College/career Prep - applying for a job, interviews, surviving the first year of college, living with a roommate, financial aid
- Financial Literacy - banking, tax, budgeting for living on your own, rent/deposits, loans
- Professional Behavior - digital footprint, public speaking, social brand
- Health and safety - Addictions, Sexual harassment/assault, sex and the law, mental health, emergency response, healthy eating, easy to prepare meals
- Automotive - auto maintenance, how to buy a car, dashboard symbols, road rage
- Law - I’m 18 year old, now what?, DUI laws, jury duty, tax laws
- Adult roles - relationships, buying a home, comparison shopping, ID theft, privacy

RISE / Dual Enrollment

(Two options: CHS in person, or Asynchronous through Maidu Virtual Charter Academy)

Grade Levels: 11-12

Graduation Requirement – Life Skills for Wellness, Elective/DE Course

Prerequisites: None

College approved for the CSU/UC Systems

Course Description: Introduction to interdisciplinary active reading skills, information literacy, financial literacy, critical thinking, and student success skills. Examines intersectionality and cultural humility as related to student identities, experiences, support, and engagement. Students will earn 3 units of Sierra College RISE 0001 credit

RISE is being offered to Colfax High School students as a dual credit class. The Placer Union High School District has partnered with Sierra College to offer a limited number of dual-credit courses. The courses will be offered during the regular school day by our own credentialed and full-time high school teachers who are also qualified to teach college level courses. These classes will count for transferable college credits as well as meeting the high school graduation requirements for the Placer Union High School District. Students in dual-credit courses will be enrolled in Sierra College and will enjoy the benefits of being a student there, including library privileges. Students will generate a Sierra College transcript and a separate grade from their high school scores.

Office Practice

Grade Level: 11-12

Graduation Requirement - Elective

Prerequisite: Keyboarding ability preferred; must have prior approval from counselors & office staff.

Course Description: Students will perform standard office tasks (filing, typing, mail), deliver messages and call slips to students and faculty members, learn to answer phones professionally, assist in the new term registration process, and work with the public in a courteous and professional way. Students will be required to dress appropriately for an office setting. Grades will be determined by the technical skills demonstrated

and the student's initiative, responsibility, work quality, attitude, and confidentiality. More than five absences may negatively impact the student's grade.

Peer Teacher

Grade level: 11-12

Graduation Requirement - Elective

Prerequisite: Application, interview and selection process. 3.0 G.P.A. is recommended.

Course Description: Under a specific teacher's supervision, students will act as instructional assistants in the classroom, teaming with the teacher to create and/or present learning activities, and teaching/tutoring small groups or individuals within the classroom. Students may also be assisting students with special needs, acting as a guide so that the student will not only understand what is expected of them in the class, but be of assistance to the teacher.

Teacher Aide Elementary School

Grade Level: 11-12

Graduation Requirement - Elective

Prerequisite: Recommendation of supervising instructor

Course Description: Students will be assigned to work with teachers at Colfax Elementary School and will be assigned to a variety of tasks, which will include tutoring small groups, tutoring individuals, photocopying materials, correcting assignments, supervising small groups or individuals, and doing necessary jobs and assignments to help with the instructional program. Promptness, attendance, proper attire, cooperation with the supervising elementary teacher, and professional deportment are essential for success in this class.

Teacher Aide

Grade Level: 11-12

Graduation Requirement - -Elective

Prerequisite: Teacher approval, review of transcript; must be on track to graduate and College/Career Ready

Course Description: Students will be assigned to work with an individual faculty member. Work will include specialized services for the teacher/department. Students will work in preparing materials to be used in the classroom, assist students in laboratory situations, and complete the necessary tasks and assignments to help with the instructional program.

Yearbook

Grade Level: 9-12

Graduation Requirement - -Elective

Prerequisite: By Application

Course Description: The emphasis of this class is the publication of the CHS yearbook. The students develop skills in copywriting, graphic design, photography, time management, desktop publishing, business application, and the "people skills" associated with producing a community project.

ALLIED HEALTH (ALH 20. INTRODUCTION TO ALLIED HEALTH)

Grade Level: 10-12

Graduation Requirement: Elective**A-G: No****Prerequisite:** None

Course Description: Introduction to career choices in the Allied Health field. Topics include: education and career mapping, job outlooks, occupational and professional requirements, pay ranges, and employer expectations. Students will get hands-on experience related to various Allied Health occupations and gain insight into job roles and responsibilities through guest speakers. Course includes an overview of health care delivery systems, associated career opportunities, infection control, and laws governing patient confidentiality. Students will have the opportunity to participate in organized field trips. (letter grade only) (CSU)

This class is taught by a Sierra College professor: Location may be Colfax or Placer's campus. It meets 2-3 days a week in person and is online the remaining days.

IB Diploma Program Electives

IB Theory of Knowledge (TOK)

- Open to all Juniors
- All IBDP candidates must take two semesters Junior year and one semester in Fall of senior year*

Grade Level: 11 - 12**Graduation Requirement** – Electives/IB Course**Prerequisite:** Enrollment in the IB Diploma Program*College approved for the CSU/UC Systems*

Course Description: Theory of Knowledge (TOK) is a capstone course for the IB Diploma program. All IB students are encouraged to take the course, and it is a requirement for those students completing the IB Diploma Program. TOK is an inquiry-based, critical thinking course that utilizes global issues to evaluate how we know what we know. Students investigate the Ways of Knowing and the Areas of Knowledge that provide individuals with their shared and personal knowledge. Students will evaluate their own learning experiences and continually seek to answer the question: “What is Knowledge?”

Included in TOK for IBDP candidates:*Creativity, Activity, Service (CAS)**

CAS is required for the IB Diploma. The process of CAS is an 18 month process starting at the beginning of grade 11. CAS students have an advisor/coordinator they are required to meet and plan with over the 18 months.

Description: At the heart of the Diploma Program - With its holistic approach, CAS is designed to strengthen and extend students' personal and interpersonal learning.

CAS is organized around the three strands of creativity, activity and service defined as follows.

- Creativity—exploring and extending ideas leading to an original or interpretive product or performance.
- Activity—physical exertion contributing to a healthy lifestyle.
- Service—collaborative and reciprocal engagement with the community in response to an authentic need.

Requirements: A robust portfolio reflecting the 18 months of continuous engagement in CAS, including a self-lead CAS project. [Please see the CAS handbook for more information.](#)

