

INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME (CDO)

Four-Year Plan

#	Freshman Year	Sophomore Year	Junior Year	Senior Year
1	English 9 OR Honors English 9	English 10 OR Honors English 10	IB Literature HL 11 OR IB Literature and Performance SL 11	IB Literature HL 12 OR IB Literature and Performance SL 12
2	Spanish OR German OR French	Spanish OR German OR French	IB Spanish SL/HL 11 OR IB German SL/HL 11 OR French SL 11	IB Spanish SL/HL 12 OR IB German SL/HL 12 OR French SL 12
3	No Social Studies OR AP World History*	Government & Economics OR AP Government/AP Economics	IB History HL 11*	IB History HL 12*
4	<i>Recommended prerequisites include:</i> Biology, Honors Biology, AP Biology	<i>Recommended prerequisites include:</i> Physics, Honors Physics, AP Physics Mechanics	IB Chemistry HL 11 OR IB Environmental Systems and Societies SL 11	IB Chemistry HL 12 OR IB Environmental Systems and Societies SL 12
5	<i>Recommended prerequisites include:</i> Algebra I, Algebra II, Adv. Algebra II, Geometry, Adv. Geometry, Pre-Calculus, Intro to Calculus	<i>Recommended prerequisites include:</i> Algebra II, Adv. Algebra II, Geometry, Adv. Geometry, Pre-Calculus, Intro to Calculus, AP Calculus AB	<i>For students who have had at least Adv. Algebra II or Pre-Calculus:</i> IB Mathematics: Analysis and Approaches SL** 11 OR <i>Non-IB prerequisite course:</i> Adv. Alg. II, Pre-Calculus, Intro to Calculus	<i>For students who completed IB Math:</i> AP Calc AB, AP Calc BC, AP Stats OR <i>For students who have not completed IB Math:</i> IB Mathematics: Analysis and Approaches SL** 12
6	PE/Fine Art/CTE/Other Elective**	PE/Fine Art/CTE/Other Elective**	IB Visual Arts SL***/HL OR IB Computer Science SL*** OR IB Dance SL*** OR IB Social Cultural Anthropology SL***/HL11	IB Visual Arts SL***/HL OR IB Computer Science SL*** OR IB Dance SL*** OR IB Social Cultural Anthropology SL***/HL12
7			IB TOK**** 11	IB TOK**** 12

The recommended prerequisite courses for admission to the IB Diploma Programme shown here are only a guide. Students who have taken courses other than these are encouraged to speak with their counselor about whether or not those courses meet the prerequisite expectations for IB courses and/or graduation requirements.

* AP World History is an elective course for students who plan on taking IB History. Completion of the two-year IB History course fulfills the graduation requirement for World History and US/AZ History.

Prerequisites for IB Elective courses include: **IB Computer Science SL: a minimum of Computer Apps I or instructor approval; **IB Visual Arts SL/HL**: an introductory art or photography course; **IB Dance SL**: Placement into Performance Dance through audition (this course is only available to DP students)

***All IB Elective SL courses and Mathematics SL are one-year courses. All other IB courses are two-years in duration. DP students must take the elective course choice as a junior. Certificate students may take IB elective courses either junior or senior year.

****Students in the Diploma Programme are required to participate in the IB Core: Theory of Knowledge (TOK), the Extended Essay (EE), and Creativity, Activity, and Service (CAS).

International Baccalaureate (IB) Diploma Programme Courses

Language A Courses

Section: IBP108/IBP208		IB Literature HL
Grade: 11-12	2 Year Program	Course offered at: CDO
Prerequisites: <i>"C" or better in previous year related subject</i>		
<p>This course is centered upon the examination of classical works from world literature and drama. Students will engage in a variety of speaking and writing formats to build new knowledge while effectively communicating about the universal aspects of literature and the human experience internationally. Skills focus upon close reading techniques, language effects, written literary analysis, and oral commentary. Instruction and assignments prepare students for five compulsory IB exams: two individual oral presentations, a written assignment, and two external assessments. These exams are spread out over the course of the two years. This course carries a weighted grade.</p>		

Section: IBP169		IB Literature & Performance SL
Grade: 11-12	2 Year Program	Course offered at: CDO
Prerequisite: <i>"C" or better in previous year related subject</i>		
<p>This course is an interdisciplinary synthesis of Language A and Theatre. It incorporates essential elements of literature and performance and aims to explore the dynamic relationship between the two. At the heart of the course is this interaction between a conventional literary emphasis on close reading, critical writing and discussion, and the practical, aesthetic and symbolic elements of performance. A distinctive outcome of this synthesis is the performance of a piece transformed from poetry or prose. In this exciting, creative process, text is viewed from different angles in a way that goes beyond what is characteristic of either literary or theatre studies as single disciplines. The course as a whole examines literary and dramatic texts and seeks to develop intellect, imagination, and creativity. It encourages intercultural awareness through a study of texts from more than one culture. Literature and performance is available at standard level only. This course carries a weighted grade.</p>		

Language B Courses

Section: IBP110/IBP210		IB French SL
Grade: 11-12	2 Year Program	Course offered at: CDO
Prerequisites: <i>French I and II and teacher recommendation</i>		
<p>This course is designed to help students refine and practice their proficiency in the French language, as well as develop cultural awareness and international mindedness. Students will be introduced to more advanced grammar points and language will be practiced through speaking, listening, reading, and writing activities in order to encourage all areas of language proficiency. Over the two year program, topics of study will range from science and technology, to customs and traditions, to current global challenges. Communication in real-life situations will be emphasized in each unit of study. Themes and questions relating to Theory of Knowledge will also be incorporated into our class discussions. This course prepares students to successfully complete the IB examinations during year 2. This course carries a weighted grade.</p>		

Section: IBP151/IBP152		IB French HL
Grade: 11-12	2 Year Program	Course offered at: CDO
Prerequisites: <i>French I and II and teacher recommendation</i>		
<p>This course is designed to help students refine and practice their proficiency in the French language, as well as develop cultural awareness and international mindedness. Students will be introduced to more advanced grammar points and language will be practiced through speaking, listening, reading, and writing activities in order to encourage all areas of language proficiency. Over the two year program, topics of study will range from science and technology, to customs and traditions, to current global challenges. Communication in real-life situations will be emphasized in each unit of study. Themes and questions relating to Theory of Knowledge will also be incorporated into our class discussions. French HL covers the same core requirements of the SL course, but includes the reading of two works of literature, creative writing and rationale based on one literary text read during the course, and additional writing components. This course prepares students to successfully complete the IB examinations during year 2. This course carries a weighted grade.</p>		

Section: IBP109/IBP209		IB Spanish SL
Grade: 11-12	2 Year Program	Course offered at: CDO
Prerequisites: <i>Spanish I and II and teacher recommendation</i>		
<p>This course allows students to refine and practice their skills in the Spanish language, as well as develop cultural awareness and international mindedness. Students will learn advanced grammar points and develop proficiency in language through speaking, listening, reading, and writing activities. Over the two year program, this course will cover the three IB core topics (social relationships, global challenges, and media and communication) as well as at least two of the IB options (science and technology, health, leisure, customs and traditions, and cultural diversity). Students will learn to communicate in real-life situations and develop literacy in a variety of genres. Class discussions will also address themes and questions relating to the Theory of Knowledge course. This course prepares students to successfully complete the IB examinations during year 2. This course carries a weighted grade.</p>		

Section: IBP190/IBP191		IB Spanish HL
Grade: 11-12	2 Year Program	Course offered at: CDO
Prerequisites: <i>Spanish I and II and teacher recommendation</i>		
<p>This course is designed to help students refine and practice their proficiency in the Spanish language, as well as develop cultural awareness and international mindedness. Students will be introduced to more advanced grammar points and language will be practiced through speaking, listening, reading, and writing activities in order to encourage all areas of language proficiency. Over the two year program, topics of study will range from science and technology, to customs and traditions, to current global challenges. Communication in real-life situations will be emphasized in each unit of study. Themes and questions relating to Theory of Knowledge will also be incorporated into our class discussions. Spanish HL covers the same core requirements of the SL course, but includes the reading of two works of literature, creative writing and rationale based on one literary text read during the course, and additional writing components. This course prepares students to successfully complete the IB examinations during year 2. This course carries a weighted grade.</p>		

Section: IBP111/IBP211		IB German SL
Grade: 11-12	2 Year Program	Course offered at: CDO
Prerequisites: <i>German I and II and teacher recommendation</i>		
<p>This course allows students to refine and practice their skills in the German language, as well as develop cultural awareness and international mindedness. Students will learn advanced grammar points and develop proficiency in language through speaking, listening, reading, and writing activities. Over the two year program, this course will cover the three IB core topics (social relationships, global challenges, and media and communication) as well as at least two of the IB options (science and technology, health, leisure, customs and traditions, and cultural diversity). Students will learn to communicate in real-life situations and develop literacy in a variety of genres. Class discussions will also address themes and questions relating to the Theory of Knowledge course. This course prepares students to successfully complete the IB examinations during year 2. This course carries a weighted grade.</p>		

Section: IBP157/IBP158		IB German HL
Grade: 11-12	2 Year Program	Course offered at: CDO
Prerequisites: <i>German I and II and teacher recommendation</i>		
<p>This course allows students to refine and practice their skills in the German language, as well as develop cultural awareness and international mindedness. Students will be introduced to more advanced grammar points and develop proficiency in language through speaking, listening, reading, and writing activities. Over the two year program, this course will cover the three IB core topics (social relationships, global challenges, and media and communication) as well as at least two of the IB options (science and technology, health, leisure, customs and traditions, and cultural diversity). Students will learn to communicate in real-life situations and develop literacy in a variety of genres. Class discussions will also address themes and questions relating to the Theory of Knowledge course. German HL covers the same core requirements of the SL course, and also requires reading two works of literature, creative writing and rationale based on one literary text, and additional writing components. This course prepares students to successfully complete the IB examinations during year 2. This course carries a weighted grade.</p>		

Section: IBP170		IB Language Ab Initio – Mandarin, Spanish, or French
Grade: 11-12	2 Year Program	Course offered at: CDO
Prerequisites: <i>IB Student with Coordinator and IB Counselor recommendation</i>		
<p>The Language Ab Initio course is designed for students with little or no prior experience wishing to study Mandarin, Spanish, or French languages. These courses follow the same subject guide outlines as are applied to Mandarin, Spanish, or French. Courses are designed to provide students with the necessary skills and intercultural understanding to enable them to communicate successfully in an environment where the language studied is spoken. This process encourages the learner to go beyond the confines of the classroom, expanding an awareness of the world and fostering respect for cultural diversity. The Language Ab Initio course develops students' linguistic abilities through the development of receptive, productive, and interactive skills by providing opportunities to respond and interact appropriately in a defined range of everyday situations. Language Ab Initio is available at Standard Level (SL) only. Ab Initio classes are offered online and are scheduled during language acquisition course time in the regular schedule. This course carries a weighted grade.</p>		

Individuals & Societies Courses

Section: IBP107/IBP207		IB History (Americas Route) HL
Grade: 11-12	2 Year Program	Course offered at: CDO
Prerequisites: <i>"C" or better in previous year related subject</i>		
<p>IB History is a two-year course preparing students for the Higher Level Baccalaureate Exam. Students will obtain a solid foundation in content as well as skills in researching, note-taking, analyzing primary and secondary sources, making inferences, generalizing, drawing conclusions, and presenting knowledge. This course focuses on select periods of American, Canadian, and Latin American history for an in-depth study of the history of the Americas. Rather than providing a survey, the course allows the student to investigate certain sections of history through classroom, instruction, independent reading, and research. Students will learn skills that apply to the study of history in any context, but with a particular focus towards those needed for a research project and for Twentieth Century World History. This course carries a weighted grade.</p>		

Experimental Science Courses

Section: IBP103		IB Chemistry SL
Grade: 11-12	2 Year Program	Course offered at: CDO
Prerequisites: <i>Geometry with a "C" or better</i>		
<p>IB Chemistry SL meets the objectives of a college-level introductory chemistry course. Students attain a depth of understanding of fundamentals and a competence in dealing with chemical problems that will enable them to undertake further work in chemistry or related fields. Students will be actively engaged in learning and experiencing the following; methods and applications of physical measurement, physical and chemical properties, atomic structure, molecular shapes and structure, electrochemistry, acids and bases, oxidation and reduction, equilibrium, and organic chemistry. Students will also complete one special topic to further study applications of chemistry. The curriculum of this course will prepare students for the IB Standard Level assessments and students in the course will be required to complete the Group 4 Project. IB Chemistry SL may be taken after AP Chemistry for those students who completed AP Chemistry their sophomore year. This course carries a weighted grade.</p>		

Section: IBP116/IBP216		IB Chemistry HL
Grade: 11-12	2 Year Program	Course offered at: CDO
Prerequisites: <i>Adv. Algebra II</i>		
<p>IB Chemistry HL course combines academic study with the acquisition of practical and investigational skills through the experimental approach. The chemistry course covers the essential principles of Standard Level chemistry and extends each of the core topics to a deeper understanding. Throughout this challenging course, students become aware of how scientists work and communicate with each other. Further, students enjoy multiple opportunities for scientific study and creative inquiry within a global context. The curriculum of this course will prepare students for the IB Higher Level assessments and students in the course will be required to complete the Group 4 Project. <i>IB Chemistry HL may be taken after AP Chemistry for those students who completed AP Chemistry their sophomore year.</i> This course carries a weighted grade.</p>		

Section: IBP206		IB Environmental Systems & Societies SL
Grade: 11-12	2 Year Program	Course offered at: CDO
Prerequisites: <i>Any of the following courses: biology, environmental science, earth/space science, physics, chemistry</i>		
<p>Environmental Systems & Societies (ESS) is a two-year, honors lab science course (11th-12th grade). ESS is firmly grounded in both 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. ESS has an emphasis on hands-on investigations in the lab and in the field and encourages students to develop solutions to environmental problems at the personal, community and global levels through research and service. Areas of study include: Ecosystems and Ecology; Biodiversity and Conservation; Water, Soil, and Atmospheric Systems and Societies; Food Production; Climate Change and Energy Production; and Human Systems and Resource Use. Prerequisites include any of the following courses: biology, environmental science, earth/space science, physics, chemistry. This course carries a weighted grade.</p>		

Mathematics Courses

Section: IBP101		IB Mathematics: Analysis and Approaches SL
Grade: 11-12	All Year	Course offered at: CDO
Prerequisites: <i>Grade of "B" or better in Advanced Algebra II or grade of "C" or better in Pre-Calculus or Intro to Calculus</i>		
<p>This course recognizes the need for analytical expertise in a world where innovation is increasingly dependent on a deep understanding of mathematics. This course includes topics that are both traditionally part of a pre-university mathematics course (for example, functions, trigonometry, calculus) as well as topics that are amenable to investigation, conjecture and proof, for instance the study of sequences and series. The course allows the use of technology, as fluency in relevant mathematical software and hand-held technology is important regardless of choice of course. However, Mathematics: Analysis and Approaches has a strong emphasis on the ability to construct, communicate, and justify correct mathematical arguments. It is important that the student has complete understanding and be completely proficient in all Algebra II concepts, as curriculum from the Advanced Algebra II/Trig class is testable material for the external assessment for IB and will not be covered in this course. The individual project is an extended piece of work based on personal research involving the collection, analysis, and evaluation of data. A TI-84 graphing calculator is required for this course. This course carries a weighted grade.</p>		

Arts & Elective Courses

Section: IBP313		IB Music SL
Grade: 11-12	All Year	Course offered at: CDO
Prerequisites: <i>Students must regularly participate in a performance group outside of class</i>		
<p>The IB Music SL class is designed to provide opportunities for students to study a variety of music in the classroom while giving all students a music vocabulary to use in describing the characteristics of music from different cultures. Mechanics of music will be covered as the students study theory, composition, and analysis in preparation for the Listening Paper. IB Music SL students are expected to; be a member in band, choir, orchestra, or an outside-of-school performing group recognized and teacher approved, complete the musical links investigation, complete the Listening Paper exam given in May of their course completion year, and create a group performance recording. <i>This course is offered over one academic year.</i> This course carries a weighted grade.</p>		

Section: IBP117		IB Social & Cultural Anthropology SL
Grade: 11-12	2 Year Program	Course offered at: CDO
Prerequisites: "C" or better in previous year related social studies subject		
<p>Social & Cultural Anthropology SL is the comparative study of culture and human societies. Anthropologists seek an understanding of humankind in all its diversity. This understanding is reached through the study of societies and cultures and the exploration of the general principles of social and cultural life. SL and HL students will learn the concepts, methods, language, and theories of the discipline. At the heart of the course is the practice of anthropologists, and the insights they produce as a result of this in the form of ethnographic material. Students are given the opportunity, through their own experiential internal assessment activity, to engage in authentic anthropological practice.</p> <p>Areas of anthropological inquiry in this course are; belonging, conflict, health, illness and healing, and the body. These areas are explored through the key anthropological concepts of belief and knowledge, change, culture, identity, materiality, power, social relations, society, and symbolism. The understanding of contemporary real-world issues such as war and conflict, the environment, poverty, injustice, inequality, and human and cultural rights will also be explored. The study of anthropology offers critical insights into the continuities and dynamics of social change, the development of societies, and what it means to live with differences. Additionally, it fosters the development of citizens who are globally aware, internationally minded, and ethically sensitive. This course carries a weighted grade.</p>		

Section: IBP105/IBP205		IB Social & Cultural Anthropology HL
Grade: 11-12	2 Year Program	Course offered at: CDO
Prerequisites: "C" or better in previous year related social studies subject and/or IB teacher approval		
<p>HL students will follow the SL curriculum along with another area of inquiry; classifying the world. HL students will be able to partake in their own fieldwork study for the internal assessment. This course carries a weighted grade.</p>		

Section: IBP118		IB Computer Science SL
Grade: 11-12	2 Year Program	Course offered at: CDO
Prerequisites: Computer Apps I or instructor approval		
<p>This course is highly recommended for students interested in careers in science, technology, engineering, and medicine. Computer scientists develop apps for Xbox, iPhone, Android, WiiU, Windows, OSX, Linux, and PlayStation operating systems. While the SL course does not assume that students have any previous experience in coding/programming, it is recommended that the student have general computing experience in basic Microsoft Office applications. The Internal Assessment project will have students design and develop a practical software application for a teacher, parent, friend, or business. Candidates will learn programming skills as a critical element of developing higher-level skills applicable to virtually all fields of study such as art, music, science, engineering, education, and entertainment. This course carries a weighted grade.</p>		

Section: IBP120		IB Visual Arts SL
Grade: 11-12	2 Year Program	Course offered at: CDO
Prerequisites: <i>Intro. to 2D Art/3D Studio Art or Digital Media depending on section selection</i>		
<p>Through the IB Visual Arts SL course, we offer students the opportunity to develop and extend their awareness of art as a form of communication and expressing ideas with confidence and competence. Students will see visual arts as a dynamic and constantly changing experience. The arts allow us to connect our imagination with the history of human experience – the study of art helps us to learn and appreciate cultural complexities. IB Visual Arts SL will encourage students to explore personal artistic intention. Students will study art from a diverse range of cultures and time periods, providing them with exposure to various values, philosophies, art historical styles or movements, and expressive intents. The course will encourage creativity and will balance academic rigor and exploration with related studio work, gallery talks, and museum visits. Assessments include a comparative study, process portfolio, and exhibition of 4-7 artworks. This course carries a weighted grade.</p>		

Section: IBP112/IBP212		IB Visual Arts HL
Grade: 11-12	2 Year Program	Course offered at: CDO
Prerequisites: <i>Intro to Photography</i>		
<p>Through the IB Visual Arts HL course, we offer students the opportunity to develop and extend their awareness of art as a form of communication, expressing ideas with confidence and competence. Students will see visual arts as a dynamic and constantly changing experience. All students will develop basic drawing skills and explore various media and methods to develop 2D and 3D art pieces. The class will discuss and evaluate art from a variety of eras and countries. Students create studio art and an investigation workbook that chronicles their thinking and exploration of themes, mediums, and methods. Students are assessed on comparative art studies, their process portfolio, and an exhibition of TOK will be integrated into various aspects of the studio work and investigation workbook. During the second year, students continue to develop and individualize their art skills. Each student identifies a personal focus for their studio art which includes further developing their investigation workbooks through further individualized study of art from various cultures and periods that are relevant to their development as artists. Assessments include a comparative study, process portfolio, and exhibition of 8-11 artworks. This course carries a weighted grade.</p>		

Section: IBP142		IB Dance SL
Grade: 11-12	2 Year Program	Course offered at: CDO
Prerequisites: <i>Placement into Performance Dance through audition</i>		
<p>The practice of dance helps to explore and value the diversity of the arts across history, the world, and its cultures. The IB Dance course will help students to understand dance as a set of disciplines with their own background and assumptions, and to understand that these practices incorporate physical, intellectual, and emotional knowledge. It also aims to appreciate mastery in various dance styles in traditions familiar and unfamiliar. Students will focus in three major areas: choreography, performance, and research, and will aim to express ideas with self-assurance and proficiency. They will come to see that dance can communicate various world cultures from their school environment, the surrounding community, and the globe. This course will provide the opportunity to emphasize a healthy lifestyle and to experience the joy of creating and exploring movement. Our focus is to develop the physical, emotional, social, and intellectual aspects in one's life. Our aim and objectives are to encounter the art of dance through movement, knowledge, and a level of performance as well as to increase self-confidence of a student. The course will offer intercultural awareness that will encourage students to consider multiple perspectives, develop knowledge, and skills. Skills are showcased in a final composition and analysis dance, a filmed performance piece, and an accompanying dance investigation essay. Assessments include composition, analysis, dance integration, and performances outside of regularly scheduled class time. This course carries a weighted grade.</p>		

Theory of Knowledge Course

Section: IBP100/IBP200		IB Theory of Knowledge
Grade: 11-12	2 Year Program	Course offered at: CDO
Prerequisites: <i>Full IB Diploma student</i>		
<p>The Theory of Knowledge (TOK) class is a "flagship element" of the IB Diploma Programme in which students are encouraged to think critically "about knowledge itself" by attempting to answer such questions as; "What counts as knowledge? How does it grow? What are its limits? Who owns knowledge? What is the value of knowledge? What are the implications of having, or not having, knowledge?" TOK students will further apply this inquiry to metaphysical, ontological, and epistemological problems in various areas of culture, especially in the academic disciplines of the Diploma, by exploring not only what they know, but how they know. The TOK class is presented in a seminar model in which students are expected to prepare thoroughly and participate actively and often. In addition to completing readings and formative assessments over the length of the course, TOK students will compose a paper on a prescribed title, and prepare and deliver a presentation on a knowledge issue. This course carries a weighted grade.</p>		