



2018-2019 High School

Course Catalog

2018-2019 Registration Instructions

Students and Parents:

The Fall 2018 course registration will be similar to how you have registered in the past. There will be one big difference: **The courses you select will be your schedule in the fall.** Through this new system, students will not have to stand in line on the first day of school to Add/Drop to get the right courses at the right time. **Students: if you register by July 31, 2018, your schedule will be e-mailed to your student school e-mail account before August 14, 2018, the first day of school for all students.** When you come to school that Tuesday, you will go to Assembly in C501 and then right to class.

If you have a schedule change after you have initially registered online, you will need to come to school on Monday, August 13, 2018, to correct your schedule. We will not complete Add/Drop on the first day of school. Add/Drop will begin on Wednesday, August 15, 2018.

Here are the step-by-step instructions.

Your deadline for registering online is July 31, 2018.

Before you register:

1. Go to www.cdischina.com and download the 2018-2019 Course Catalog. Take some time to go through and see the courses that will be offered for the 2018-2019 school year.
2. Review the Course Requirements listed on the following pages, so that you will know from what you will be choosing.
3. Use the Course Schedule grid that follows Course Requirements info to decide during which block you want to take specific courses. Core courses often are offered at least twice. Electives and Religious Studies course are usually offered once. Electives are offered on M/W/F and T/Th/F, Block 1 (Periods 1 and 2 on Friday); Religious Studies and a few academic Electives courses are offered M/W/F during Block 2 (Period 4 on Fridays).

- When you register online, you will pick courses that fall into specific M/W or T/Th blocks. You will pick 1 course for each block (you will have 8 blocks that will require selections).

When you are Ready to Register:

- Go to PowerSchool and log-in: <https://powerschool.cdischina.com>
- Once you've logged in to your Student Account, look for the Class Registration link on the left side.
- Click on the Class Registration link.
- The blocks will appear.
- Click the edit button to select a course for that Block.
- Pick ONE course for each Block. Do not select a course that is designated Semester 2.
- Once you've selected all your courses, click the Submit button in the lower right corner.

2018-2019 Mandatory Courses by Grade

Choices for Mandatory Courses by Grade 2018-2019			
(You can pick one from each subject area in your grade; you can't repeat courses unless you earned a failing grade)			
9th	10th	11th	12th
<p>English</p> <ul style="list-style-type: none"> <input type="checkbox"/> English 1A <input type="checkbox"/> English 1B <input type="checkbox"/> English ELL 9 <p>For students coming from 8th grade IEC and other English language learners who want additional language support. You will take this in place of Chinese. <u>You will also need to take</u></p>	<p>English</p> <ul style="list-style-type: none"> <input type="checkbox"/> English Level 2 <input type="checkbox"/> Advanced Literature and Composition (Pre-AP) <input type="checkbox"/> AP Seminar 	<p>English</p> <ul style="list-style-type: none"> <input type="checkbox"/> World Literature <input type="checkbox"/> AP Literature <input type="checkbox"/> Advanced Lit and Comp (Pre-AP; priority given to 10th graders) <input type="checkbox"/> AP Seminar <input type="checkbox"/> AP Research (AP Seminar first) 	<p>English</p> <ul style="list-style-type: none"> <input type="checkbox"/> World Literature <input type="checkbox"/> AP Literature <input type="checkbox"/> Advanced Lit and Comp (Pre-AP; priority given to 10th graders) <input type="checkbox"/> AP Seminar <input type="checkbox"/> AP Research (AP Seminar first)

<p><u>English 1A.</u></p>			
<p>Math</p> <ul style="list-style-type: none"> <input type="checkbox"/> Geometry <input type="checkbox"/> Algebra 2 <input type="checkbox"/> Pre-Calculus (requires teacher permission) 	<p>Math</p> <ul style="list-style-type: none"> <input type="checkbox"/> Algebra 2 <input type="checkbox"/> Geometry <input type="checkbox"/> Pre-Calculus <input type="checkbox"/> AP Calculus AB (Pre-Calculus first) 	<p>Math</p> <ul style="list-style-type: none"> <input type="checkbox"/> Intermediate Algebra: College Readiness <input type="checkbox"/> AP Calculus AB (Pre-Calculus first) <input type="checkbox"/> AP Calculus BC <input type="checkbox"/> AP Calculus BC Accelerated (requires teacher permission) 	<p>Math</p> <ul style="list-style-type: none"> <input type="checkbox"/> Intermediate Algebra: College Readiness <input type="checkbox"/> AP Calculus AB <input type="checkbox"/> AP Calculus BC (Calculus AB first) <input type="checkbox"/> AP Calculus BC Accelerated (requires teacher permission) <input type="checkbox"/> Calculus 3
<p>Religious Studies</p> <ul style="list-style-type: none"> <input type="checkbox"/> Judeo-Christian Fundamentals (Mandatory for 9th Grade) 	<p>Religious Studies</p> <ul style="list-style-type: none"> <input type="checkbox"/> Fundamentals of Faith - Semester 1 <input type="checkbox"/> Spiritual Formation -Semester 2 <input type="checkbox"/> Leadership Fundamentals - Semester long - Repeats <input type="checkbox"/> Apologetics - Semester-long - Repeats <input type="checkbox"/> Interpersonal Life Skills - Semester-long -Repeats <input type="checkbox"/> Philosophy - Year-long (This is being offered this year but not in the Religious Studies block; Philosophy counts for Religious Studies 	<p>Religious Studies</p> <ul style="list-style-type: none"> <input type="checkbox"/> Fundamentals of Faith - Semester 1 <input type="checkbox"/> Spiritual Formation -Semester 2 <input type="checkbox"/> Leadership Fundamentals - Semester long - Repeats <input type="checkbox"/> Apologetics - Semester-long -- Repeats <input type="checkbox"/> Interpersonal Life Skills - Semester-long -Repeats <input type="checkbox"/> Philosophy - Year-long 	<p>Religious Studies</p> <ul style="list-style-type: none"> <input type="checkbox"/> Worldviews - Year-long (Mandatory for all Seniors; Musical Leadership cannot be substituted for Worldviews.)

	credit.)		
Social Studies <input type="checkbox"/> Ancient World (Mandatory for 9 th Grade)	Social Studies <input type="checkbox"/> Modern World (Mandatory for 10 th Grade) <input type="checkbox"/> AP World History	Social Studies <input type="checkbox"/> Comparative Government and Economics <input type="checkbox"/> Contemporary issues - Semester- long <input type="checkbox"/> AP Psychology <input type="checkbox"/> AP World History <input type="checkbox"/> AP Seminar	Social Studies <input type="checkbox"/> Comparative Government and Economics <input type="checkbox"/> Contemporary issues - Semester- long <input type="checkbox"/> AP Psychology <input type="checkbox"/> AP World History <input type="checkbox"/> AP Seminar
Science <input type="checkbox"/> Biology (Mandatory for 9 th Grade)	Science <input type="checkbox"/> AP Biology (online) - E-mail Ms. Allen if you'd like to take this course. (alison.allen @cdischina.com) <input type="checkbox"/> Chemistry <input type="checkbox"/> Physics	Science <input type="checkbox"/> AP Biology (online) - E-mail Ms. Allen if you'd like to take this course. (alison.allen @cdischina.com) <input type="checkbox"/> Chemistry <input type="checkbox"/> AP Chemistry <input type="checkbox"/> Physics <input type="checkbox"/> AP Physics C: Mechanics	Science <input type="checkbox"/> Chemistry <input type="checkbox"/> AP Chemistry <input type="checkbox"/> Physics <input type="checkbox"/> AP Physics C: Mechanics
Health <input type="checkbox"/> Health - semester- long (offered both semesters; pairs with PE 9 th)	Not Applicable	Not Applicable	Not Applicable
Chinese <input type="checkbox"/> Introduction to Chinese <input type="checkbox"/> Intermediate Chinese <input type="checkbox"/> Advanced Chinese	Chinese <input type="checkbox"/> Introduction to Chinese <input type="checkbox"/> Intermediate Chinese <input type="checkbox"/> Advanced Chinese	Chinese <input type="checkbox"/> Introduction to Chinese <input type="checkbox"/> Intermediate Chinese <input type="checkbox"/> Advanced Chinese	Chinese <input type="checkbox"/> Introduction to Chinese <input type="checkbox"/> Intermediate Chinese <input type="checkbox"/> Advanced Chinese

<p><input type="checkbox"/> AP Chinese</p> <p>Offered M/W/F and T/Th/F - 1st block. In the Electives blocks.</p> <p>You must have 2 credits of Chinese to graduate. Select the course that you think matches your skill level. You will be tested and placed in the right class, and it won't impact your schedule as all of the Chinese classes are offered at the same time.</p>	<p><input type="checkbox"/> AP Chinese</p> <p>Offered M/W/F and T/Th/F - 1st block. In the Electives blocks.</p> <p>You must have 2 credits of Chinese to graduate.</p>	<p><input type="checkbox"/> AP Chinese</p> <p>Offered M/W/F and T/Th/F - 1st block. In the Electives blocks.</p> <p>You must have 2 credits of Chinese to graduate.</p>	<p><input type="checkbox"/> AP Chinese</p> <p>Offered M/W/F and T/Th/F - 1st block. In the Electives blocks.</p> <p>You must have 2 credits of Chinese to graduate.</p>
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<p>9th: Electives (Select 1)</p> <ul style="list-style-type: none"> <input type="checkbox"/> English 9 ELL (for IEC transition students only); must also take English 1A; will not take Chinese if in English 9 ELL <input type="checkbox"/> Band - Year-long <input type="checkbox"/> Choir - Year-long <input type="checkbox"/> Computer Technology - Year-long <input type="checkbox"/> Hip Hop Dance - Semester-long (counts for PE credit) <input type="checkbox"/> Model United Nations - Year-long <input type="checkbox"/> Musical Leadership - Year-long 	<p>10th: Electives (Select 1)</p> <ul style="list-style-type: none"> <input type="checkbox"/> Band - Year-long <input type="checkbox"/> Choir - Year-long <input type="checkbox"/> Computer Technology - Year-long <input type="checkbox"/> Hip Hop Dance - Semester-long (counts for PE credit) <input type="checkbox"/> Model United Nations - Year-long <input type="checkbox"/> Musical Leadership - Year-long <input type="checkbox"/> Studio Art - Year-long <input type="checkbox"/> AP Art - Year-long <input type="checkbox"/> Personal Fitness <input type="checkbox"/> Physical Education - Year-long 	<p>11th: Electives (Select 2)</p> <ul style="list-style-type: none"> <input type="checkbox"/> Band - Year-long <input type="checkbox"/> Choir - Year-long <input type="checkbox"/> Computer Technology - Year-long <input type="checkbox"/> Hip Hop Dance - Semester-long (counts for PE credit) <input type="checkbox"/> Model United Nations - Year-long <input type="checkbox"/> Musical Leadership - Year-long <input type="checkbox"/> Studio Art - Year-long <input type="checkbox"/> AP Art - Year-long <input type="checkbox"/> Personal Fitness <input type="checkbox"/> Physical Education - Year-long 	<p>12th: Electives (Select 2)</p> <ul style="list-style-type: none"> <input type="checkbox"/> Band - Year-long <input type="checkbox"/> Choir - Year-long <input type="checkbox"/> Computer Technology - Year-long <input type="checkbox"/> Hip Hop Dance - Semester-long (counts for PE credit) <input type="checkbox"/> Model United Nations - Year-long <input type="checkbox"/> Musical Leadership - Year-long <input type="checkbox"/> Studio Art - Year-long <input type="checkbox"/> AP Art - Year-long <input type="checkbox"/> Personal Fitness <input type="checkbox"/> Physical Education - Year-long
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<ul style="list-style-type: none"> <input type="checkbox"/> Studio Art - Year-long <input type="checkbox"/> AP Art - Year-long <input type="checkbox"/> Physical Education 9th Grade/ Pair with Health - Semester-long (can select regular Physical Education if you plan to take PE the whole year. If you plan to take 1 Semester of Health [mandatory] and only 1 Semester of PE, select Physical Education 9th Grade) <input type="checkbox"/> Physical Education - Year-long <input type="checkbox"/> Video Production - 2nd Semester <input type="checkbox"/> Yearbook - Year-long 	<ul style="list-style-type: none"> <input type="checkbox"/> Video Production - 2nd Semester <input type="checkbox"/> Yearbook - Year-long 	<ul style="list-style-type: none"> <input type="checkbox"/> Video Production - 2nd Semester <input type="checkbox"/> Yearbook - Year-long 	<ul style="list-style-type: none"> <input type="checkbox"/> Video Production - 2nd Semester <input type="checkbox"/> Yearbook - Year-long
<p>Study Hall / Teacher Aide</p> <p>9th Grade Students do not have Study Hall and cannot be TAs.</p>	<p>Study Hall / Teacher Aide</p> <p>Study Hall OR TA assignment available all blocks for students who have at least 1 AP Course. Can't have more than 1 Study Hall or TA assignment.</p>	<p>Study Hall / Teacher Aide</p> <p>Available for all blocks. Can't have more than 2 Study Halls or 1 Study Hall and 1 TA assignment.</p>	<p>Study Hall / Teacher Aide</p> <p>Available for all blocks. Can't have more than 2 Study Halls or 1 Study Hall and 1 TA assignment.</p>

Use the Schedule below to select classes before you go online to register

Think about the Mandatory Classes for your grade as you select the courses you want to take. Use the Mandatory Courses by Grade checklist above to determine what you must take.

	Monday/Wednesday				Tuesday/Thursday		
	NOTE: MUN added to this block 6.12.18						
Block 1 8:00-8:44 8:48-9:32	Your Choice	Course	Grades	Block 1 8:00-8:44 8:48-9:32	Your Choice	Course	Grades
		Band	9 th -12 th			AP Studio Art	10 th -12 th
		Chinese	9 th -12 th			Chinese	9 th -12 th
		Choir	9 th -12 th			English 9 ELL (won't take Chinese)	9 th
		Physical Education (PE)	9 th -12 th			Hip Hop Dance	9 th -12 th
		Personal Fitness	10 th -12 th			Musical Leadership	9 th -12 th
		Studio Art	9 th -12 th			Physical Education (PE)	10 th -12 th
		Computer Technology	9 th -12 th			Personal Fitness	10 th -12 th
		MUN	9 th -12 th			Yearbook	9 th -12 th
		Study Hall	10 th -12 th			Study Hall	10 th -12 th
		Teacher Aide	10 th -12 th			Teacher Aide	10 th -12 th
9:32-9:43	Homeroom/Morning Tea Break						

Block 2			Block 2		
Monday/Wednesday			Tuesday/Thursday		
9:43-10:27	NOTE: MUN deleted from this block 6.12.18		9:43-10:27		
10:31-11:15			10:31-11:15		
Religious Studies / Electives / 9th Mandatory					
Each year students in 10 th and 11 th grades must take at least one semester of Religious Studies courses. 9 th grade students must take Judeo-Christian Fundamentals, which is offered in other blocks. Seniors must take Worldviews.					
Your Choice	Course	Grades	Your Choice	Course	Grades
	Academic Writing Semester 2	10 th -11 th		AP AB/BC accelerated	11 th -12 th
	Apologetics	10 th -12 th		AP Literature	11 th -12 th
	Contemporary Issues (Social Studies Elective)	10 th -12 th		Chemistry	10 th -11 th
	Fundamentals of Faith Semester 1	10 th -12 th		Comparative Government and Economics	11 th -12 th
	Health or PE (mandatory for 9th)	9 th		English 1A	9 th
	Interpersonal Life Skills	10 th -12 th		Judeo Christian Fundamentals	9 th -12 th
	Leadership Fundamentals	10 th -12 th		Modern World	10 th
	Spiritual Formation Semester 2	10 th -12 th		Study Hall	10 th -12 th
	Worldviews (mandatory for Seniors)	12 th		Teacher Aide	10 th -12 th
	Model United Nations (MUN) (Elective)	10 th -12 th			
	Study Hall	10 th -12 th			
	Teacher Aide	10 th -12 th			

Monday/Wednesday				Tuesday/Thursday NOTE: AP World Deleted from this block 6.12.18			
Block 3 11:19-12:03 12:07-12:51	Your Choice	Course	Grades	Block 3 11:19-12:03 12:07-12:51	Your Choice	Course	Grades
		Advanced Literature and Composition	10 th -12 th			Algebra 2	9 th -10 th
		AP Physics: Mechanics (Semester long)	11 th -12 th			AP Calculus BC or Calculus 3 (Different Courses that meet at the same time; Need Bardell's permission for Calculus 3)	11 th -12 th
		AP Psychology	11 th -12 th			AP Chemistry	11 th -12 th
		AP Seminar	10 th -12 th			AP English Literature	11 th -12 th
		Biology	9 th			Biology	9 th
		English Level 2	10 th			Comparative Government and Economics	11 th -12 th
		Geometry	9 th -10 th			English Level 2	10 th
		Philosophy	10 th -12 th			Physics	11 th -12 th
		Pre-Calculus	10 th			Study Hall	11 th -12 th
		Study Hall	11 th -12 th			Teacher Assistant	10 th -12 th
	Teacher Assistant	10 th -12 th					
12:55-1:39	Lunch						

Monday/Wednesday				Tuesday/Thursday			
NOTE: AP World Added to this block 6.12.18							
Block 4 1:43-2:27 2:31-3:15	Your Choice	Course	Grades	Block 4 1:43-2:27 2:31-3:15	Your Choice	Course	Grades
		Ancient World	9 th			Advanced Literature and Composition	10 th -12 th
		AP Research	11 th -12 th			Ancient World	9 th
		Chemistry	10 th -11 th			AP Calculus AB	11 th -12 th
		English 1B	9 th			Intermediate Algebra: College Readiness	11 th -12 th
		Geometry	9 th -10 th			Judeo-Christian Fundamentals — fixed	9 th -10 th
		Judeo-Christian Fundamentals	9 th -10 th			Modern World	10 th
		Pre-Calculus	10 th			Physics	11 th -12 th
		AP World	10 th			Philosophy	11 th -12 th
		World Literature	11 th -12 th			Study Hall	11 th -12 th
		Study Hall	11 th -12 th			Teacher Assistant	10 th -12 th
		Teacher Assistant	10 th -12 th				

English

Students must have 4 English credits to graduate

English 9 ELL

English 9 ELL Support is for 9th grade students transitioning from the Middle School IEC program. This course focuses on reading, writing, and speaking skills. Students will learn vocabulary, grammar, and reading comprehension techniques such as skimming, scanning, pre-reading, using context clues, brainstorming, outlining, and paraphrasing. Engages students in discussions. 10th grade students may be allowed to take this class only by special permission from the Principal. Students in this course will also take the grade-level 9th grade course English 1A. Year-long course: 1 Electives credit

English 1A

English 1A is designed for 9th grade English language learners who want to improve their English language skills in the areas of grammar and vocabulary. During the first semester, the course will focus on grammar, vocabulary, and academic writing. During the second semester, students will read literary works with an eye on analyzing and writing to develop academic writing skills. Open to 9th grade students. Year-long course: 1 English credit

English 1B

This course is for native English speakers and advanced English language learners in grade 9. Students will review grammar principles and then focus on literary analysis and academic writing. Open to 9th grade students. Year-long course: 1 English credit

English Level 2

English Level 2 is a 10th-grade level course that focuses on literature and literary analysis in writing. Students will learn to write for a variety of audiences and purposes, focusing on organization, ideas, sentence fluency, word choice, voice, and mechanics in both analytical and creative writing. Students' writing skills are developed through literary responses, persuasive essays, and reflective compositions. Students learn to analyze, synthesize, and evaluate literary texts, examining how an author uses the literary elements of plot, setting, character, conflict, and symbolism to create a central idea or theme in a story. Open to 10th grade students. Year-long course: 1 English credit

Advance Literature and Composition

This is a pre-AP course designed to prepare students for AP English courses. This course is for students with solid grammar skills who want to develop their literary analysis and academic writing skills. Students will read AP-level novels and short stories to both identify and analyze literary devices and techniques used by authors. Students will write about and discuss the author's purpose and the effect that literary devices have on the audience. Open to 10th to 12th grade students. Year-long course: 1 English credit

Survey of Western Literature

Not offered in the 2018-2019 school year

This course looks at relevant literary movements in Western literature, from works from the Renaissance to Existentialism to Contemporary authors. Writing, critical reading, and analysis of literature will be emphasized. Literary studies are evaluated through a variety of assessments including essays, research reports, creative writing, presentations, and projects that

encourage the necessary skills to be critical thinkers and life-long learners. Open to 11th and 12th grade students. Year-long course: 1 English credit

World Literature

World Literature introduces students to literary works from several different historical periods and cultures. Through the study of these diverse texts, students gain an understanding of human history, values and norms, and they will have the opportunity to hone their own worldview. Students employ formal and informal writing (including essays and creative writing) as a way of thinking critically about the issues, philosophies, and works of literature that are relevant to the local and global community to which the students belong. Open to 11th and 12th grade students. Year-long course: 1 English credit

AP Literature & Composition

The AP English course in Literature and Composition engages students in the careful, deliberate and thorough reading and critical analysis of primarily fictional literature and poetry from several genres and time periods. Through the close reading of selected texts, students gain an understanding of a text's complexity and deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. Students will learn to write about a work's structure, style, and themes as well as smaller-scale elements as the use of figurative language, imagery, symbolism, and tone to achieve the author's intended effect. Alternates with AP Language and Composition. Open to 11th and 12th grade students. Year-long course: 1 English credit

AP English Language & Composition

Not offered in the 2018-2019 school year

The AP course in English Language and Composition engages students in becoming skilled readers of non-fiction works written in a variety of periods, disciplines, and rhetorical contexts. Students will become skilled writers able to engage in literary analysis and construct an argument. Both student writing and reading are aimed at creating an awareness of the interactions among an author's purposes, audience expectations, and subjects as well as the way the use of English conventions and the rhetorical tools and resources of language contribute to effectiveness in writing. Alternates with AP Literature. Open to 11th and 12th grade students. Year-long course: 1 English credit

AP Seminar

AP Seminar is Course 1 of the two-year AP Capstone diploma program. AP Seminar is designed to prepare students for the rigors of academic research. It is for self-motivated and self-disciplined students in grades 10 to 12. In semester 1 of AP Seminar, students will learn research basics, including evaluating information, developing a research question, research methodology, research ethics, and the art of argumentation both orally and in writing. During semester two, students will engage in independent group and individual research projects. The course culminates in a group presentation, two individual research papers, an individual presentation, and an AP exam. Students may earn either English or Social Studies credits. Open to 10th to 12th grade students. Year-long course: 1 English or 1 Social Studies credit

AP Research

AP Research is course two of the AP Capstone diploma program. In this course students will build on the skills learned in AP Research with a year-long independent research project. During semester 1, students will review

the scientific method, develop a research question on a topic in an area of their interest and begin preliminary research for the project that will be the focus of semester 2 work. During semester 2, students will continue their research, complete associated experiments, complete a 5000-word research paper, and prepare a multi-media presentation. Students may earn English or credit for this course. Must have taken AP Seminar to take this course. Year-long course: 1 English or 1 Electives credit

Academic Writing - New Course

This course will review the fundamentals of an academic essay. Students will engage in research-based writing for one quarter and college application essays for the second quarter. Open to 10th-12th grade students. Semester-long course: .5 English credit

English Language Learners

English 9 ELL

English 9 ELL Support is for 9th grade students transitioning from the Middle School IEC program. This course focuses on reading, writing, and speaking skills. Students will learn vocabulary, grammar and reading comprehension techniques such as skimming, scanning, pre-reading, using context clues, brainstorming, outlining, and paraphrasing. Engages students in discussions. 10th grade students may be allowed to take this class only by special permission from the Principal. Students in this course will also take the grade-level 9th grade course English 1A. Year-long course: 1 Electives credit

English 1A

English 1A is designed for 9th grade English language learners who want to improve their English language skills in the areas of grammar and vocabulary. During the first semester, the course will focus on grammar, vocabulary and academic writing. During the second semester, students will read literary works with an eye on analyzing and writing to develop academic writing skills. Open to 9th grade students. Year-long course: 1 English credit

Math

Students must have 3 Math credits to graduate. Top universities prefer that you have 4 Math credits in courses that are progressively more challenging.

Geometry

Geometry focuses on the recognition, understanding and use of geometric properties and relationships among points, lines, planes, angles, triangles, quadrilaterals, and other polygons of Euclidean Geometry. Students complete algebraic, coordinate, and deductive proofs of these relationships and study measurements of both two- and three-dimensional figures. Students will also be introduced to advanced topics such as right triangle trigonometry, which will prepare them for Algebra 2 and beyond. Pre-Requisite: Algebra 1.

Required for grade 9 if not taken in Middle School. Open to 9th grade students. Year-long course: 1 Math credit

Algebra II

Algebra II expands on the topics started in Algebra I. Students learn how to work with and graph functions, solve linear equations and systems, quadratic functions, and exponential and logarithmic functions. The course introduces students to series, conic sections, introductory probability and statistics, matrices, and trigonometric functions. Open to 9th and 10th grade students. Year-long course: 1 Math Credit

Intermediate Algebra: College Readiness - New Course

This course is a bridge between Algebra II and Pre-Calculus. In this course, students will review Algebra II concepts and be introduced to topics that would prepare them for Pre-Calculus and the SAT test. This is not an SAT math prep course but material that would likely appear on the SAT test will be covered. Open to 10th to 12th grade students. Year-long course: 1 Math credit

Discrete Math

Not offered in the 2018-2019 school year

Discrete Math explores unique ways of describing and analyzing the world through the lens of mathematics. Students investigate the mathematics behind key issues of interest and learn to think critically about issues such as the mathematics behind voting theory, fair division methods, graphs and circuits, social networks, sequences, nature, symmetry, and finances. Pre-Requisite: Algebra I. Recommended: Algebra II and Geometry. Open to 11th to 12th grade who are not on an advanced Math track. Year-long course: 1 Math credit

Pre-Calculus

Pre-Calculus focuses on the development of the student's ability to understand and apply functions and advanced mathematics concepts to

solve problems. The course includes a rigorous, in-depth study of polynomial, rational, exponential, logarithmic, and trigonometric functions. It also covers conic sections, polar coordinates, sequences and series, an introduction to limits, derivatives, and integrals, as well as probability and functions of random variables. The course provides the necessary skills and background for both AP Calculus and AP Statistics. Emphasis is placed on active participation through modeling, experiments, technology lab activities, group activities, and communication in mathematics. Must have taken Algebra II. Recommended: Geometry. Year-long course: 1 Math credit

AP Calculus AB

AP Calculus AB covers topics in differential and integral calculus, including concepts and skills of limits, derivatives, definite integrals, and the Fundamental Theorem of Calculus. You'll learn how to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and how to make connections amongst these representations. You will learn how to use technology to help solve problems, experiment, interpret results, and support conclusions. Description from AP College Board. Must have taken: Calculus. Year-long course: 1 Math credit

AP Calculus BC

AP Calculus BC extends the content learned in AB to different types of equations and introduces the topic of sequences and series. This course covers topics in differential and integral calculus, including concepts and skills of limits, derivatives, definite integrals, the Fundamental Theorem of Calculus, and series. You will learn how to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. You will also learn how to use technology to help solve problems, experiment,

interpret results, and support conclusions. Description from AP College Board. Must have taken: Calculus. Year-long course: 1 Math credit

AP Calculus BC Accelerated

AP Calculus BC Accelerated covers concepts from both Calculus AP and Calculus BC. This course is for the motivated student with high-level math skills and the ability to comprehend math concepts quickly. Must have permission of the instructor. Must have taken: Calculus. Year-long course: 1 Math credit

Calculus 3 - New Course

This independent study course, under the supervision of Mr. Bardell, continues where AP Calculus BC left off. Topics include vectors in Euclidean space, vector analysis, analytic geometry of three dimensions, curves in space, partial derivatives, optimization techniques, multiple integrals, vector fields, Green's theorem, Divergence theorem, Stokes' theorem, and differential forms. This course is for advanced math students capable of self-directed study. Must have permission of the instructor. Must have taken: AP Calculus BC or AP Calculus BC Accelerated. Year-long course: 1 Math credit

Physical Education

Students must have 1.5 Physical Education and .5 Health credits to graduate.

Physical Education

Physical Education classes are designed to engage students in activities that will help them maintain fitness throughout their lives. Students will be introduced to sports and exercise activities designed to improve their fitness and give them a plan for life-long fitness. Students will be taught how the benefits of regular exercise can improve a person's mental, physical, and social health. Year-long course: 1 Physical Education credit

Personal Fitness

This course is for students who want to establish and achieve personal fitness goals. Student fitness levels will be assessed in the following areas: cardiovascular endurance, flexibility, muscular strength, and muscular endurance. From these assessments students will set personal fitness goals and an exercise regimen will be established. The goal is that by the end of the year students will have improved their scores on their baseline fitness tests through regular cardiovascular endurance training, muscular endurance training, and activities designed to increase their current levels of fitness. Semester-long course: .5 Physical Education credit each semester

Hip Hop Dance - New Course

This semester long course is designed to help students loosen up, gain rhythm, and have fun in an aerobic workout. Moves from popular artists will be taught. Students will have fun and prepare for a public performance. Semester-long course: .5 Physical Education credit each semester

Health

This course covers the three aspects of health: mental, physical, and social health. In our mental health unit topics include discussions on wellness, stress, mental disorders, and decision making. For physical health we emphasize disease prevention, nutrition, and exercise. Our social health unit focuses on relationships. Mandatory for 9th grade students. Semester-long course: .5 Health credit

Religious Studies

Students must take one-half credit of Religious Studies each year that they attend CDIS. Two courses are mandatory beginning in the 2018-2019 school year: Judeo Christian Fundamentals (9th grade) and Worldviews, which is a year-long course for Seniors.

Apologetics - New Course

Apologetics is the study of how to defend one's worldview. The focus of this course will be on the Christian worldview. Students will engage in conversations prompting them to defend their faith and give a response to other worldviews, including agnosticism, Islam, Buddhism, and moralistic deism. Topics covered will include the problem of evil, the existence of God, and the role of Jesus in the Judeo-Christian belief system. Semester-long course: .5 Religious Studies credit. Repeats Semester 2.

Judeo-Christian Fundamentals - New Course

This year-long course will introduce students to the concepts and people that shape the Judeo-Christian belief system. Mandatory for 9th grade students. Year-long course: 1 Religious Studies credit.

Fundamentals of Faith - New Course

This semester-long course is designed for students who want to explore the Christian faith more in depth. The focus is on two essential questions: 'What do followers of Christ believe?' and 'How do followers of Christ live?'

Semester-long course: .5 Religious Studies credit. Offered Semester 1.

Interpersonal Life Skills - New Course

This course will focus on emotional life skills that will promote emotional well-being and healthy interactions with others. Topics covered will include the nature of human emotions, emotional self-awareness, emotion management, personal boundaries, communication, stress management, conflict management, difficult conversations, and personal development plans.

Semester-long course: .5 Religious Studies credit. Offered Semester 2.

Leadership Fundamentals - New Course

This course will focus on common principles of leadership, leading groups, ethics in leadership, and servant leadership. Students will be challenged to think critically about the foundations of leadership, as well as craft their own model of leadership. Semester-long course: .5 Religious Studies credit.

Offered Semester 1.

Spiritual Formation - New Course

This semester-long course is designed for students who want to grow their faith and mature in their walk. The focus is on two essential questions: How do I grow as a follower of Christ? How can I influence and equip others to grow as followers of Christ? Semester-long course: .5 Religious Studies credit. Offered Semester 2.

Philosophy

This semester-long course focuses on the big questions of life and how different western philosophers have answered them. Students will see the development of ideas from the historic past of western philosophy and connect them to today. Students will analyze their own views and ideas and be challenged to systematize what their overall philosophy is. Open to 9th to 12th grade students. Year-long course: 1 Religious Studies credit.

Worldviews

This course will focus on understanding the tenets of various worldviews, and prepare the student to identify, articulate, and defend their personal worldview. In Semester 1, students will explore world religions such as Islam, Buddhism, Hinduism, and Judaism, as well as philosophical ideologies such as Marxism-Leninism, Postmodernism, Secular Humanism, and Cosmic Humanism. In Semester 2, students will work on a semester-long portfolio project that will allow them to reflect on their beliefs, as well as articulate and defend their personal worldview. Mandatory for 12th grade students. Year-long course: 1 Religious Studies credit

Science

Students must have 3 Science credits to graduate. Top universities prefer that you have 4 Science credits in courses that are progressively more challenging.

Biology

Biology is a one-year laboratory science course devoted to the study of living systems. The course covers the study of relationships among organisms and the interaction of organisms and their environment. Specific topics include the scientific method of inquiry, cell structure and function, cell chemistry, genetics, reproduction and development, evolution, comparative anatomy, and ecology. Lab exercises are regular components of this course. Mandatory for 9th grade students. Year-long course: 1 Science credit

AP Biology

Online

AP Biology is a university level, introductory course. The course centers on four main ideas: 1) The process of evolution drives the diversity and unity of life 2) Biological systems utilize free energy and molecular building blocks to grow, reproduce, and maintain homeostasis 3) Living systems store, retrieve, transmit, and respond to information essential to life processes 4) Biological systems interact, and these systems and their interactions possess complex properties. Students gain the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. A required series of laboratory exercises reinforce principles and concepts presented during lectures. The course prepares students for the AP Biology exam. To succeed in this online course, students must exhibit high levels of commitment, motivation, and academic maturity. Prerequisites: 9th grade Biology. Open to 10th to 12th grade students. Year-long course: 1 Science credit

Chemistry

Chemistry introduces students to a broad base of general chemical concepts while relating chemistry to real-life experiences. The course covers basic concepts such as scientific measurement, the history of atomic discovery, bonding, chemical nomenclature, reactions, the kinetics of matter, solutions,

acids and bases, and organic chemistry. Students learn laboratory techniques and practice the use of the scientific method to make chemistry useful and meaningful. Must have taken: Algebra I. Year-long course: 1 Science credit

AP Chemistry

This college-level course examines six big ideas in Chemistry and seven scientific practices that relate to correct implementation of the scientific method in a lab context. The course will focus on an understanding of atoms, chemical and physical transformations, and thermodynamics. Must have taken: Chemistry. Year-long course: 1 Science credit

Physics

Physics explores the relationship between energy and matter. The major areas of study are mechanics, fluids, thermodynamics, waves, and electromagnetism. This course offers students the opportunity to apply math to solve real-world problems. The laboratory component involves data acquisition and analysis. To succeed in this online course, students must exhibit high levels of commitment, motivation, and academic maturity. Must have taken: Algebra I. Concurrent enrollment in Algebra II or higher preferred. Recommended for 11th and 12th grade. Year-long course: 1 Science credit

AP Physics C: Mechanics - New Course

AP Physics C: Mechanics is a semester-long course, introductory calculus-based college course. It covers kinematics; Newton's laws of motion; work, energy, and power; systems of particles and linear momentum; circular motion and rotation; and oscillations and gravitation. Must have taken or be taking Calculus. Semester-long course: 1 Science credit

Anatomy and Physiology

Not offered in the 2018-2019 school year

Anatomy and Physiology is the study of both the structure and function of the human body and how various elements interrelate to support human life. The course covers cellular function, tissue organization, organs, and organ systems. Lab work will be a regular part of class so that students can get a hands-on approach to learning about the body. Prerequisites: Biology. Chemistry is recommended, but not required. Year-long course: 1 Science credit

Social Studies

Students must have 3 Social Studies credits to graduate.

Ancient World History

Ancient World History begins with origins of humanity and a study of the various mythologies associated with beginnings, and ends with the Scientific Revolution. Students become historians, analyzing source documents and reporting findings in writing. The course focuses on the Greeks, the Romans, South American Civilizations, the Byzantine Empire, the Frankish and Germanic Kingdoms, the Vikings, Asian Civilizations, Feudal Europe, and the Dark Ages. Open to 9th grade students. Year-long course: 1 Social Studies credit

Modern World History

Modern World History begins with the Scientific Revolution and continues through the present. The course focuses on the Scientific Revolution, the Rise of Nation States and Monarchies, Exploration, Colonization, Imperialism, Ethnocentrism, Slavery and Injustice, Industrial Revolutions, World War I and

World War II, Power Shifts, Genocide, The Façade of Government Decisions (Political Corruption), The Cold War, the Vietnam War, The Korean War, The Collapse of the Soviet Union and the Birth of Russian Civil War, The Iraqi Conflict, and other current events. Students actively engage in discovering and identifying reasons and causes and postulating the effects that these incidences, people, and events have on civilization. Open to 10th grade students. Year-long course: 1 Social Studies credit

Comparative Government and Economics

Comparative Government and Economics is a year-long course. The first semester focuses on comparative government topics. Students will learn the process that political scientists use to analyze and evaluate political systems. Students will explore the evolution of governments and compare political systems around the world. Semester 1 is designed to equip students to understand and evaluate current geo-political issues. In semester 2, students will analyze global trade patterns and the growth of national economies. Students will compare systems of socialism and capitalism, consider free enterprise and the communist system, and explore national economies in the world today in light of the world economy and multi-national corporations. Open to 11th and 12th grade students. Year-long course: 1 Social Studies credit.

AP Economics

Not offered in the 2018-2019 school year

AP Economics is a year-long course open to 11th and 12th grades. In semester 1, the course focuses on Microeconomics, the study of what makes buyers buy and how firms attempt to influence purchase decisions and gain market share. In semester 2, the course focuses on macroeconomics, the study of national economies. Students develop their understanding of the economic principles and choices that shape the

economic activities of the world, while also developing their thinking and problem-solving skills. This course incorporates a wide variety of activities including formal writing, debates, presentations, simulations, research projects, and class discussion. Students can expect a greater amount of reading and homework assignments as well as regular quizzes and tests. The course prepares students for both the AP Microeconomics and AP Macroeconomics exams.

AP World History

AP World History covers the history of the entire world and its peoples from foundations to the present. The course covers five major eras: Foundations to 600 CE, 600 CE to 1450 CE, 1450 CE to 1750 CE, 1750 CE to 1914 CE, and 1914 CE to the present. Students use critical thinking skills to analyze primary sources and other documents, evaluate a variety of opinions and interpretations of historical events, write higher-level essays, and complete class projects and research papers to better understand the social, religious, political, technological, and cross-cultural impacts on the world past and present. The course is rigorous and highly demanding, requiring a high level of academic competence and commitment. The course prepares students for the AP World History exam. Open to 9th through 12th grade students. Year-long course: 1 Social Studies credit

AP Psychology

AP Psychology is a college-level equivalent to Introductory Psychology. The course introduces students to the systematic and scientific study of behavior and mental processes. Additionally, the course gives an overview of the discoveries made in the areas of human development, sensation and perception, consciousness, learning, memory, thinking and language, intelligence, motivation and work, emotions, personality, social interactions, and psychological disorders and therapies. Students assess varied approaches, considering the influence of biological, psychological, and socio-cultural factors on behavior and mental processes. Open to students in 10th to 12th grades. The course prepares students to take the AP Psychology exam. Year-long course: 1 Social Studies credit

Model United Nations

Model United Nations focuses on the issues, goals, and procedures of the United Nations and will prepare students for participation in Model United Nations conferences. Model United Nations replicates the rigorous process international leaders must go through to find agreeable solutions to major problems in the world today. Students actively engage in discussions about and learn about the workings of the United Nations. Open to 9th to 12th grade students. Year-long course: 1 Electives credit

Contemporary Issues - New Course

In this semester-long course, students will be challenged to critically analyze current world and local events in the areas of economics, politics, and popular culture. Students will read newspapers and online media, and view video newscasts to support class discussions. Students will have the opportunity to identify bias and points of view in politics, the media, and within themselves. Students will analyze primary source documents and

opinion texts to create projects and write research-based articles of their own. Topics will include be the role of media in war, racial tensions, religion, and culture. Open to students in 10th to 12th grades. Semester-long course: .5 Social Studies credit

Fine Arts

Students must have 1 Fine Arts credit to graduate.

Studio Art

Studio Art gives students a thorough understanding of the elements of art and principles of design. During this class, students develop proficiency in a variety of studio art areas, including drawing, painting, printmaking, collaging, and sculpting techniques. Students will also actively discuss and evaluate their own art, the art of their peers, and the art of famous artists. Year-long course: 1 Fine Arts credit

AP Studio Art

AP Studio Art is for advanced art students who wish to submit either the AP Drawing or AP 2-D Design portfolio. Students develop a portfolio that addresses three areas of importance in studio art production: Quality, Concentration, and Breadth. Students begin the course by focusing on their Breadth section to allow them to experiment with different media and concepts. In the Concentration section students are expected to develop a body of work that is an investigation of a theme or an idea. From these total works, the students then choose their Quality examples of excellence. Critiques are also a required part of class participation. Must have taken Studio Art. Open to 11th and 12th grade students. Year-long course: 1 Fine Arts credit

High School Band

High School Band is open to any high school student who has at least two years of experience with a band instrument. This is a performance-driven ensemble. Students learn basic and intermediate music concepts and

instrument-playing techniques in preparation for upcoming concerts.

Students will build technique and gain understanding of musical concepts and theory as well as gain a broad overview of music history. High School Band performs at the Christmas and Spring Concerts, at events in Chengdu by invitation, and travels to Tianjin for the iSC Fine Arts Festival. Open to 9th to 12th grade students. Year-long course: 1 Fine Arts credit

High School Honors Band

High School Honors Band provides students additional opportunities to hone their musical talent and perform. Students perform with the High School Band as well as at Solo & Ensemble, complete more extensive music theory activities and a music history project. First year Honors Band students will learn all 12 major scales on their instrument. Second and third year Honors Band Students learn 12 of the minor scales. Because this class is combined with High School Band, much of the work for Honors Band will need to be done outside of class. Open to 9th to 12th grade students. Year-long course: 1 Fine Arts credit

High School Choir

High School Choir is all about sweet melodies, jazzed-up harmonies, and foot stomping rhythms. Students are immersed in the intricacies of tight harmonies and explore making fun sounds with their voices. Students also can hone leadership skills or continue working as a team. The High School Choir performs in the community several times a year, prepares for Christmas and Spring concerts and attends the iSC Fine Arts Festival. Open to 9th to 12th grade students. Year-long course: 1 Fine Arts credit

Musical Leadership

Musical Leadership class teaches students what it truly means to be a music worship leader by attempting to follow the model of a servant leader. Students will learn musical concepts but the focus is on biblical examples of servant leadership. Students will be given the opportunity to lead their peers weekly in worship during assembly and create events throughout the year to serve their peers and disciple them. Year-long course: 1 Fine Arts or Electives credit

Introduction to Photography and Digital Imaging

Not offered in the 2018-2019 school year

Introduction to Photography and Digital Imaging explores digital photography as a medium for art and culture. Students express themselves in words and images while examining and learning to appreciate the diversity around them. Students learn basic camera controls, how to shoot in manual mode, and basic photography composition and history. Students also learn and exhibit basic photo editing and manipulation skills. Year-long course: 1 Fine Arts credit

Electives

After mandatory course requirements have been met, students may take Electives as they desire.

Computer Technology

In this technology course you will be learning about coding, web page design, and programming.

- Coding will help students see the logic of sequence, loops, and conditionals
- Web page design will teach students HTML and introduce them to the

skills of simple debugging, writing tags, and design concepts

- Programming will include a high level computer programming language leading to developing solutions to given problems.

The assessments will be project based, ongoing in-class work, and online assessments. Open to 9th to 12th grade students. Year-long course: 1 Electives credit

Video Production - New Course

Video Production allows students to learn to capture, edit, and create digital video. Students study photographic, cinematic, and video techniques, story development, lighting, composition, and editing. In a state-of-the-art computer lab that includes Macintosh and Windows-based computers, students learn iMovie or Adobe Premiere Elements and Photoshop. Students work individually and in teams to develop organizational and management skills, as well as planning and problem solving skills. Open to 9th to 12th grade students. Limited to 7 students. Semester-long course. Offered 2nd Semester. .5 Electives credit

Yearbook

The Yearbook course provides students hands-on, experiential learning of 21st Century skills in teamwork, collaboration, creativity, and problem-solving. Tangible skills in photography, journalistic writing, and graphic design will also be developed. Students will produce the CDIS 2018-2019 yearbook. Open to 9th to 12th grade students. Limited to 12 students. Year-long course: 1 Electives credit

Panda Study Center

This is a traditional and guided study hall where students can go for tutoring in core courses. Special focus on English—both teachers and advanced

English students will be available for vocabulary instruction and writing help. Students will also be able to sign up for mini-lessons on various English language and study skills topics. No academic credit. Open to 10th to 12th grade students. Will appear on transcript as a Study Hall.

Foreign Languages

Students must have 2 Language credits to graduate. At this time, we only offer Chinese language.

Introduction to Chinese

This class focuses on basic language skills. Students will learn how to communicate at a survival level. Simple characters will also be introduced.

Year-long course: 1 Language credit

Chinese for Native Speakers

This course is designed to meet the needs of native Chinese speakers and to further develop their first language skills. Instruction will focus on reading, writing, speaking, and listening skills. Students will continue to learn Chinese characters and engage in more advanced conversations. Year-long course: 1 Language credit

Intermediate Chinese

Intermediate Chinese focuses on daily talking and simple Chinese writing. Students will learn Chinese characters and begin reading easy stories. Year-long course: 1 Language credit

Advanced Chinese

This course further advances students' Chinese language ability. Pinyin is not used in this course and students are expected to recognize Chinese

characters. Students will also be required to write in Chinese and present a research project. Year-long course: 1 Language credit

AP Chinese

AP Chinese is comparable to a university-level course in Mandarin Chinese. The course, which deepens students' immersion into the language and culture of the Chinese-speaking world, represents 250 hours of college-level classroom instruction. Students develop an awareness and appreciation of the elements of Chinese culture. Instruction prepares students for the AP Chinese exam, an Internet-based test that assesses language skill as well as the ability to interpret and present ideas in Mandarin. Based on exam performance, students can earn credit or advanced placement for college, or both, as well as demonstrate their ability to succeed in college-level studies. Must have Instructor approval. Year-long course: 1 Language credit

Chinese Literature

Not offered in the 2018-2019 school year

Chinese Literature is for students who have a strong command of the Chinese language. The course focuses on Chinese heritage, famous Chinese literature, and ancient poetry. Students study Chinese history, geography, architecture, and drama. Students write essays and book reports and complete class projects related to Chinese culture. Prerequisite: Instructor approval. Year-long course: 1 Language credit