



Welcome to North Clackamas Christian School!

We are extremely excited about what God has in store for you as we move into the 2018-2019 school year at North Clackamas Christian School. As high school students, you are making important choices regarding courses and it is important that you consider these choices with prayer and careful thought. During your four years at NCCS, you have the opportunity to explore many different program offerings and discover areas of special interest. Our school has a well-rounded selection of course offerings, including those where you can earn both high school and college credit at the same time. Your high school career lasts only four years and you want to make the most of it.

This guide contains important information about course offerings, scheduling procedures, graduation requirements, college requirements and other considerations you will need in order to develop your four year plan. Not all courses listed are offered each year. It is critical that you make informed choices when requesting courses.

North Clackamas Christian School has a wonderful staff of Godly men and women who are committed to helping you succeed. I urge you to ask questions of your teachers and family, and then make prayerful decisions about what courses will help you reach your academic goals.

Regardless of what career path you choose after leaving NCCS, the courses you take now can help you achieve your goals. Remember that God has a plan for you, and your choices at NCCS are part of that plan. Please take the forecasting process seriously and enjoy your high school experience.

Blessings,

A handwritten signature in black ink, appearing to read 'Tim Tutty', is positioned below the word 'Blessings,'.

Tim Tutty
Principal/Superintendent

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2018-2019

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(*)Denotes courses not available every year.

Forecasting & Scheduling Information

Students select their high school courses for the next school year during the spring with the help of parents and teachers. You will notice that core subject areas such as Math, Science, English, Bible, and Social Studies are only for specific grade levels and have been pre-selected for you. All math courses are offered in sequence, based on content and level of difficulty. Be sure to pay close attention to the due date on the bottom of the forecasting form.

In selecting courses for the following year, students must:

1. Check prerequisites and those courses requiring a teacher recommendation.
2. Circle the preferred course choice when more than one option is provided.
3. Obtain teacher and parent signatures, where required, before returning the forecasting sheet.
4. Choose a minimum of two elective classes, for each elective period, in case first choice electives are unavailable.
 - Some elective classes may not be offered due to under-enrollment; others will have more students sign up than space available.
 - If students do not provide sufficient alternate electives, they will be scheduled into an open class by the office personnel.
 - Classes with an (*) indicates that prerequisites are required.

Add/Drop Classes

Students in grades 7-12 may add or drop classes during the first ten (10) days of each new semester. Adding a class depends on whether there is space in the course that the student desires to add. The annual school calendar will state the add/drop date for each semester. Students may not add or drop any classes after the add/drop day of each semester. Before a student drops a course the student and his/her parent/guardian should give careful consideration to the impact of dropping the course on the student's ability to meet the NCCS diploma requirements.

The procedure to add/drop a course is as follows:

1. Add/Drop Form from in the NCCS office.
2. Complete student's entire class schedule on the left side of the form.
3. List the class(es) desiring to add in the appropriate time period(s) on the right side, opposite the course(s) wanting to drop.
4. Return completed form to the NCCS office for review and administrative signature. Approved forms will be returned to the student.
5. Parent/guardian signs the Add/Drop Form indicating their agreement with the proposed change in their child's class schedule.
6. Student presents the Add/Drop Form to the teacher(s) of the class(es) being added and/or dropped. Teacher(s) initial the class(es) being added and/or dropped.
7. Student returns completed Add/Drop Form to the NCCS office. Courses become effective when the office gives the student their new class schedule.

Academic Policies

Diploma Requirements

The chart below shows the requirements needed for an NCCS high school diploma, as well as the State of Oregon high school diploma requirements, the Oregon University System (OUS) admission requirements, and the NCAA Division 1 and 2 eligibility requirements.

Subject	NCCS College Prep Diploma	State of Oregon	Oregon University System	NCAA Div. 1	NCAA Div. 2
*Bible	4	0	0	Qualifies as additional courses taken	Qualifies as additional courses taken
English	4	4	4	4	3
**Math	3 (Algebra 1 & above)	3 (Algebra 1 & above)	3	3	2
Science	3 (Must include Chemistry or Physics)	3	3	2 (Must include 1 lab science)	2 (Must include 1 lab science)
Social Science	3	3	3	2	2
2 nd Language (Same language)	2	3	2	1 extra credit English, Math, Science 4 extra credits additional core classes	3 extra credit English, Math, Science 4 extra credits additional core classes
Fine Arts/Tech	1	0	0		
Health	1	1	0		
PE	1	1	0		
Electives	6	6	0		
***Senior Project (Independent- no class time required)	.5	0	0	0	0
Total	28.5	24	15	16	16
Minimum GPA	2.75		2.75 - 3.00		2.00

* Students are required to take Bible during each semester they attend NCCS. Students transferring from a school where Bible is not offered are not required to make up Bible courses for those semesters they were not enrolled at NCCS. All Bible courses, other than for credit recovery or transfer courses from other schools, must be taken at NCCS.

** All math courses must be taken in sequence – i.e. Algebra 1, Geometry, Algebra 2, Trigonometry and Calculus. At no time will a student be allowed to skip one math class in this sequence to go on to another. Each course in this sequence has a prerequisite for enrollment. Students receive credit for each class when the final semester grade is a “D” or above.

*** Senior Challenge is an independent project required for all seniors and there is no classroom assignment. Its purpose is to give senior students an opportunity to apply and expand academic and career-related knowledge and skills in new and complex situations, appropriate to their own career, academic, and/or personal interests and post-high school goals. Your high school advisor or school administrator will meet with you at the beginning of the new school year in order to help you decide and map out your Senior Challenge.

Currently enrolled NCCS students are permitted to apply credits earned from other institutions toward graduation requirements if the credits are taken while the student is enrolled at this school. Administrative approval is required before enrolling in a course at another institution, regardless of whether the course is taken for credit recovery, concurrent/dual college credit, or high school credit.

Correspondence and/or online courses for high school credit may be accepted if taken from an accredited institution. This option is recommended for credit recovery or for classes that NCCS does not currently offer. To submit a proposal to take a course from one of these institutions, the student must provide the school administrator with the name of the institution, address, telephone number, website, course description and textbook information for the course the student proposes to take.

Courses taken at Clackamas Community College or other accredited colleges or universities, as well as online or correspondence courses for college credit will be accepted, most likely as dual credit (both high school credit and college credit). To submit a proposal to take a course from one of these institutions, provide the school administrator with the name of the institution, address, telephone, website, the course description and textbook information for the course that you propose to take.

While the minimum passing grade for all courses at NCCS is “D”, students are encouraged to re-take any course where the student earned a grade less than “C,” in order to improve GPA.

Recovery of a Failed Course

A student who earns a grade of “F” in a high school course will not earn credit for that course. If the course is required for graduation the student must take the course again to recover credit. Although there are a number of on-line institutions that are able to provide this service, NCCS recommends the high school credit retrieval program at Clackamas Community College. Most CCC classes are offered every term during the evenings and all summer.

A student who fails a course not required for graduation is encouraged to retake the course for a passing grade and to improve GPA. A student may, however, graduate from NCCS with one or more courses on the transcript showing a grade of “F” if the course(s) are not required for a diploma and the student’s GPA meets the current requirement for graduation (2.75).

Details concerning credit recovery courses:

- All required courses that were failed during a school year must be retaken prior to a student receiving a diploma.
- All credit recovery courses must be approved by the administration prior to beginning the course.
- Credit recovery is a student and parent/guardian responsibility. Costs for credit recovery are assumed by the student and/or parent/guardian.
- Credit recovery courses will be approved if they are taken at one of the following:
 - An accredited community college, college, or university, or
 - A summer studies program conducted by an accredited school, or
 - An accredited educational institution that provides a high school course substantially the same as the failed course that was taught at NCCS, or
 - An accredited public or private high school providing traditional, correspondence, on-line, and/or computer based courses for credit, and the transcript will show that the course has been taken more than once.

Advanced Education Opportunities

Clackamas Community College Courses

NCCS has the privilege of partnering with Clackamas Community College to offer Dual Enrollment Credit. This means students are able to take a course here on campus and receive both a high school graduation credit for the course, as well as college credit (See *Mathematics Dual Enrollment* under *Course Offerings* for more information).

Grand Canyon University (GCU) Dual Enrollment Program

Grand Canyon University (GCU) offers a unique online dual credit program for qualifying NCCS students in grades 10-12. GCU dual enrollment is an affordable and efficient way for students to earn college, as well as high school credit. It is offered to NCCS students as part of the Canyon Christian Schools Consortium (CCSC). Each GCU class is seven weeks long and students are given course assignments in advance, along with a designated deadline for completion. Following are important pieces of information to be considered when deciding whether or not GCU Dual Enrollment is a good fit:

- Students may only take GCU online courses to satisfy elective credit requirements or other required credits that cannot be achieved at NCCS due to scheduling conflicts. All courses must be pre-approved.
- GCU courses have different start dates, but usually begin once or twice each month. Until that time, students are expected to report to their assigned GCU classroom each day, prepared to work on other class assignments and projects.
- Students who enroll in GCU classes must commit to an entire 18-week program during the semester. Since GCU online classes take only seven weeks to complete, students are required to sign up for a minimum of two consecutive (back-to-back) GCU courses each semester. This equals eight (8) college credits and one (1) high school credit. For example, a student might take English Composition 1 during the first nine weeks of a semester and English Composition 2 during the second nine weeks.
- Students choosing to take GCU online courses for one semester only will be assigned to an elective class or teacher assistant position during the second semester.
- Each GCU online course requires approximately 15-18 hours of homework each week. A home computer will be needed for this purpose.
- Because each GCU course is just seven weeks long, students will have a few days each semester when they will not be engaged in coursework. This “down-time” will be supervised by an NCCS instructor, and students will be expected to use the additional time to get caught up on other school work, pursue scholarship research or engage in college explorations. Students will not be granted free time to leave campus or be unassigned during this “down-time.”
- Students may take up to a maximum of four (4) GCU courses each school year for a total of 16 college credits and 2 high school credits. Over the course of three years, an NCCS student could potentially complete the equivalent of one full year of college credit.
- All GCU students must report to their assigned classrooms each school day and work throughout the class period until dismissed. Students will be held accountable for absences and tardies as outlined in the *Parent/Student Handbook*.
- All final grades for GCU will be entered on the student’s NCCS transcript, along with the name of the course. College credit will be maintained at Grand Canyon University in Phoenix, Arizona and may be transferred to any college or university upon student request.
- Failure to complete a GCU course, once it has been begun, will result in an “Incomplete” or “F” being entered on the student’s NCCS transcript.
- Most GCU courses cost around \$295

There are 28 GCU Dual Enrollment courses offered online. For a full catalog of available courses, please ask the office for a *GCU Dual Enrollment Parent Informational Packet*.

Honors/Advanced Placement Courses

General Information

The Advanced Placement (AP) program offers college-level courses that are challenging and stimulating, allow for individual progress and accomplishment, and explore subjects in greater

depth. Exams given to students in the spring provide an opportunity to gain advanced placement and/or college credit.

NCCS currently offers Honors/AP U.S. History (APUSH). All high school students at NCCS are required to complete three years of history in order to graduate, however, students are not required to take the AP exam. For this reason this course is listed as Honors U.S. History on student schedules during the junior year, as well as on progress reports and report cards. Final grades will be switched to a course titled AP U.S. History for students who choose to take the APUSH exam when offered in the spring.

Honors/APUSH is designed to challenge students and provide a college-level experience. The entire course is taught in accordance with the *AP U.S. History Curriculum Framework* and is designed to prepare students for the AP Exam in May. Students who feel the APUSH route is not the right fit will still be able to be successful as Honors U.S. History students and become better prepared for college.

Things to consider when determining whether or not the AP track is right for you:

- To be successful, students will need to be driven and willing to put in the homework hours.
- The APUSH Exam is 3.5 hours in length.
- The APUSH Exam includes multiple-choice and short answer questions, as well as one document-based question and one long-essay question.
- APUSH will involve extensive historical analysis and written response.
- The cost to take an AP Exam is a little over \$90 per student

NCCS also hopes to offer AP Literature & Composition in the future. *See the Language Arts section for more details.*



Course Offerings

(*)Denotes courses not available every year.

BIBLE

OLD TESTAMENT SURVEY

Both semesters

Grade: 9

Graduation Credit: Bible (0.5/semester)

Prerequisite: None

This course focuses on the big story arc of the Bible and the redemptive metanarrative that connects all of the smaller narratives. Students are able to gain a better understanding of Old Testament stories that point to New Testament truths and are equipped with the tools that allow them to practice applying the messages they learn to their lives.

NEW TESTAMENT SURVEY

Both Semesters

Grade: 10

Graduation Credit: Bible (0.5/semester)

Prerequisite: None

This course focuses on understanding the big story arc of the Bible so that students are able to see how individual stories form the whole. Focus is given to the redemptive metanarrative that connects all of the smaller narratives. Students also gain an overview of each book and are able to practice applying the messages to their lives.

CHRISTIAN THINKING AND LIVING

Both semesters

Grade: 11

Graduation Credit: Bible (0.5/semester)

Prerequisite: None

This course focuses on Christian doctrine and living. Students learn the basic tenets of the Christian faith, develop their understanding of various theological disciplines, and practice living their faith through spiritual disciplines and reconciling relationships. Emphasis is given to developing identity in Christ through an understanding of personality, spiritual gifts, and decision making paradigms.

WORLDVIEW SURVEY

Both semesters

Grade: 12

Graduation Credit: Bible (0.5/semester)

Prerequisite: None

In this course we study various worldviews and the religions that accompany them. We explore ethical systems, and practice thinking critically and biblically. Students are encouraged to dialogue with these worldviews, to understand how their own thinking has been affected by

them, and to weigh them against the Truth of Christ. The goal of this course is to help students solidify their worldview and learn to interact with contrary worldviews in ways that bear fruit for the Kingdom of God.

ELECTIVES

SOCIOLOGY*

One semester

Grades: 9-12

Graduation Credit: Social Studies (0.5/semester)

Prerequisite: None

This introduction to sociology will highlight the sociology of everyday life and its relevance to students' lives. The class will cover six central sociological themes: a down-to-earth approach, globalization, cultural diversity, critical thinking, the new technology, and the influence of the mass media on our lives.

COMPUTER APPLICATIONS*

One semester

Grades: 9-12

Graduation Credit: Fine Arts/Technology (0.5/semester)

Prerequisite: None

This class covers everything from improving typing skills and Microsoft Word basics to computer coding and web development/design. Students will gain a better understanding of computer systems and how to efficiently use the technology we have available. Included in this course are weekly assignments and projects to show student grasp of concepts.

STEM - SCIENCE, TECHNOLOGY, ENGINEERING, and MATHEMATICS*

One Semester

Grades: 9-12

Graduation Credit: Fine Arts/Technology (0.5/semester)

Prerequisite: Algebra 1 and Physical Science or permission of instructor

STEM is a project-based course in which students use technology, math, science and engineering processes to solve real-world problems. The course includes team challenge projects, individual projects/challenges/exhibitions, STEM outreach projects for younger students, field experiences, and career awareness opportunities. Through the project challenges students will develop values of critique and revision, persistence, rigorous thinking, and pride in doing high-quality work.

ART: PERFORMING ARTS

A CAPELLA CHOIR (EXCELSIOR)

Both semesters

Grades: 9-12

Graduation Credit: Fine Arts/Technology (0.5/semester)

Prerequisite: Audition only

Fee Required: Concert clothes

This course is designed to expand upon the basics of choral singing and music theory, sight singing and vocal technique. The choir performs a wide variety of challenging music from various periods and styles and participates not only in the two evening concerts and choir trip, but is also in competitions and other performances representing the school.

CHOIR - QUARTETS

Both semesters (0 Period)

Grades: 9-12

Graduation Credit: Fine Arts/Technology (0.5/year)

Prerequisites: Audition or appointment by director

Fee Required: Performance clothing

This course meets four days a week during 0 period and is offered to students who are also involved in the A Capella choir. Students must either audition or be appointed by the choral director. This course is designed to introduce and expand upon the basics of quartet singing and music theory, sight singing and vocal technique. Like with the other choirs, the quartet performs a wide variety of challenging music from various periods and styles. Both the boys and girls quartets participate in the evening concerts and other performances representing the school.

CONCERT CHOIR

Both semesters

Grades: 9-12

Graduation Credit: Fine Arts/Technology (0.5/semester)

Prerequisite: None

Fee Required: Concert clothes

This course is designed to introduce and expand upon the basics of choral singing and music theory, sight singing and vocal technique. The choir performs a wide variety of challenging music from various periods and styles and participates in two evening concerts, as well as a choir tour.

CONCERT BAND

Both semesters

Grades: 9-12

Graduation Credit: Fine Arts/Technology (.5/semester)

Prerequisite: JH Band or teacher consent

Fee Required: Concert clothes, rent instrument (*if needed*), method book (*if needed*)

This course is for high school students who have been playing for at least 3 years and focuses on blend and ensemble playing through chorales, chamber music, and sheet music. HS band learns all 36 major scales over the course of 4 years and is part of a sequence in which students learn music literature from a wide range of genres, time periods, and cultures. The band participates in two evening concerts each year.

DRAMA 1*

One semester

Grades: 9-12

Graduation Credit: Fine Arts/Technology (0.5/semester)

Prerequisite: None

This course is multifaceted. Students will have the opportunity to gain an understanding of how theater works and the basic elements of a stage, while also developing text analysis skills and

DESIGN*

One semester

Grades: 9-12

Graduation Credit: Fine Arts/Technology (0.5/semester)

Prerequisite: None

Every day we see hundreds of examples of good and bad design: in advertising, publishing, clothing, machines, and architecture. Design is what makes things work, either functionally or visually. We will focus on visual design as it applies to drawing, painting, photography, and computer graphics in order to design posters, class projects, advertising, and web layouts with increased confidence.

DRAWING

One semester

Grades: 9-12

Graduation Credit: Fine Arts/Technology (0.5/semester)

Prerequisite: None

This class develops artistic expression, creative problem solving, and an appreciation for the visual world. It allows any student to access an underdeveloped side of the brain with benefits that reach far beyond art class into the world of important job skills, innovative presentation, and personal enjoyment. The semester begins with an introduction to the basic design principles necessary for traditional or technical applications. Drawing is highlighted for the remainder of the semester with emphasis on observation and value contrast using ink, pencil and soft pastels. Learning from the masters is blended with developing the unique personal style of each student.

PAINTING*

One semester

Grades: 9-12

Graduation Credit: Fine Arts/Technology (0.5/semester)

Prerequisite: None

This class develops artistic expression, creative problem solving, and an appreciation for the visual world. It allows any student to access an underdeveloped side of the brain with benefits that reach far beyond art class into the world of important job skills, innovative presentation, and personal enjoyment. The semester begins with an introduction to the basic design principles necessary for traditional or technical applications. The painting is highlighted for the remainder of the semester, beginning with color mixing with oil pastels and progressing through various watercolor and acrylic techniques. Learning from the masters is blended with developing the unique personal style of each student.

SCRAP ART*

One semester

Grades: 9-12

Graduation Credit: Fine Arts/Technology (0.5/semester)

Prerequisite: None

This class develops artistic expression, creative problem solving, and an appreciation for the visual world. It allows any student to access an underdeveloped side of the brain with benefits that reach far beyond art class into the world of important job skills, innovative presentation, and personal enjoyment. The semester begins with an introduction to the idea of repurposing

throw-away materials such as plastic, paper, fabric, metal, and glass for function and beauty as part of taking care of God's creation. Students are exposed to recycling around the world out of necessity and ingenuity, and are encouraged to consider the cultures of waste versus want. After being shown examples of scrap art, students generate their own resources and ideas to create objects of value, aided by instruction and guidance from working artists.

PUBLICATIONS*

One semester

Grades: 9-12

Graduation Credit: Fine Arts/Technology (0.5/semester)

Prerequisite: None

In Publications, students take part in producing the Saints Sampler, allowing them to learn and utilize organizational, writing and copyediting, publishing, layout, personal communication and business skills.

YEARBOOK

One semester

Grades: 9-12

Graduation Credit: Fine Arts/Technology (0.5/semester)

Prerequisite: Instructor approval/15 students maximum

Yearbook is a class that allows students to learn and utilize organizational, photography, writing and copyediting, publishing, layouts, and business skills. Yearbook staff must be willing to participate in class, meet strict deadlines, and commit to time outside the school day in order to cover activities.

FOREIGN LANGUAGE

SPANISH 1

Both semesters

Grades: 9-10

Graduation Credit: Foreign Language (0.5/semester)

Prerequisite: None

This course is geared toward students who wish to begin to understand and communicate in the language that vies for the place of the second most-spoken language on earth. Students are challenged to develop a strong foundation in Spanish grammar and vocabulary by listening, speaking, reading and writing. This is an interactive course involving conversations, games, group projects, videos, and cultural activities in the target language.

SPANISH 2

Both semesters

Grades: 10-11

Graduation Credit: Foreign Language (0.5/semester)

Prerequisite: Spanish 1 (minimum grade: C)

This course is geared toward students who wish to continue a lifetime acquisition of the language that vies for the place of second most-spoken language on earth. Students are challenged to develop a strong foundation in Spanish grammar and vocabulary by listening, speaking, reading and writing. This is an interactive course involving conversations, games, group projects, videos, and cultural activities in the target language.

SPANISH 3*

Both semesters

Grades: 11-12

Graduation Credit: Foreign Language (0.5/semester)

Prerequisite: Spanish 2 (minimum grade: C)

This course is geared toward students who wish to continue a lifetime acquisition of the language that vies for the place of second most-spoken language on earth. Students are challenged to develop a strong foundation in Spanish grammar and vocabulary by listening, speaking, reading and writing. This is an interactive course involving conversations, games, group projects, videos, and cultural activities in the target language.

SPANISH 4*

Both semesters

Grade: 12

Graduation Credit: Foreign Language (0.5/semester)

Prerequisite: Spanish 3 (minimum grade: C)

This course is geared toward students who wish to continue a lifetime acquisition of the language that vies for the place of second most-spoken language on earth. Students are challenged to develop a strong foundation in Spanish grammar and vocabulary by listening, speaking, reading and writing. This is an interactive course involving conversations, games, group projects, videos, and cultural activities in the target language. Emphasis is placed on reading Spanish literature and developing new vocabulary in order to pass the Advanced Placement Spanish Language tests for college credit.

ROSETTA STONE SPANISH 1-4

Both semesters

Grade: 9-12

Graduation Credit: Foreign Language (0.5/semester)

Prerequisite: Must go in consecutive order

For students with academic accommodations, scheduling difficulties, or the desire to continue advancing in Spanish when a class of their level is not offered, we use a graded version of *Rosetta Stone* computer curriculum. The curriculum is entirely in Spanish, based on an immersion approach rather than the mixed method approach of the classroom. The student gets practice in reading, writing, listening, and speaking and moves at their own rate toward the desired goals. Computers are used at school only. The student works individually in a quiet area and is under the supervision of the Spanish teacher. There is no additional cost to parents.

HEALTH

HEALTH

Both semesters

Grade: 12

Graduation Credit: Health (0.5/semester)

Prerequisite: None

This course is intended to educate students about the human body, mind, and spirit, which God designed to glorify Himself. Topics such as nutrition, exercise and fitness, diseases, drugs and alcohol, stress and anxiety, social maturity, and relationships will be discussed.

LANGUAGE ARTS

ENGLISH 9

Both semesters

Grade: 9

Graduation Credit: Language Arts (0.5/semester)

Prerequisite: None

English 9 is designed to introduce the student to major authors and genres of world literature, critical analysis, and literary terms. Further instruction in grammar, composition, and research is incorporated into the literary studies.

ENGLISH 10

Both semesters

Grade: 10

Graduation Credit: Language Arts (0.5/semester)

Prerequisite: None

English 10 is designed to advance the student's skills in the critical analysis of major world literature authors, poets, and genres with an emphasis on the history of the subject. Further instruction in grammar, composition, and research is incorporated into the literary studies.

ENGLISH 11

Both semesters

Grade: 11

Graduation Credit: Language Arts (0.5/semester)

Prerequisite: None

English 11 is designed to advance the student's skill in critical analysis of literature, with a major focus on American literature and its various historical movements in particular. Further instruction in grammar, composition, and research is incorporated within literary studies.

ENGLISH 12

Both semesters

Grade: 12

Graduation Credit: Language Arts (0.5/semester)

Prerequisite: None

English 12 is designed to be a critical analysis of world literature, chronologically from the origins of the English language to modern works. Further instruction in grammar, composition, and research is incorporated within literary studies.

AP LITERATURE & COMPOSITION*

Both semesters

Grade: 12

Graduation Credit: Language Arts (0.5/semester)

Prerequisite: English 11

Fee: Cost of the AP Exam

AP Literature & Composition requires a large amount of reading and, similar to English 12, focuses on critical analysis of world literature. This is a more intensive course that culminates

with the student's opportunity to take the Advanced Placement Literature & Composition exam in the spring.

MATHEMATICS

ALGEBRA 1

Two semesters

Grade: 9

Graduation Credit: Math (0.5/semester)

Prerequisite: Math 8

The fundamental purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. The modules deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend, and students engage in methods for analyzing, solving, and using quadratic functions. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

GEOMETRY

Two semesters

Grade: 10

Graduation Credit: Math (0.5/semester)

Prerequisite: Algebra 1

The fundamental purpose of the course in Geometry is to formalize and extend students' geometric experiences from the middle grades. Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. Transformations are emphasized early in this course. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

ALGEBRA 2

Two semesters

Grade: 11

Graduation Credit: Math (0.5/semester)

Prerequisite: Algebra 1 and Geometry

Building on their work with linear, quadratic, and exponential functions, students extend their repertoire of functions to include polynomial, rational, and radical functions. Students work closely with the expressions that define the functions and continue to expand and hone their abilities to model situations and solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. The Mathematical Practice Standards apply throughout each course and, together with content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

PROBABILITY & STATISTICS*

One semester

Grades: 11-12

Graduation Credit: Math/Elective (0.5/semester)

Prerequisite: Successful completion of high school Algebra II

Fee Required: None

Probability and Statistics focuses on permutations, combinations, probability, data analysis, standard deviation, binomial and normal distribution.



MATHEMATICS - DUAL ENROLLMENT (College/High School Credit)

CALCULUS*

One semester

Grades: 11-12

Graduation Credit: Math/Elective (0.5/semester)

Prerequisite: Successful completion of Trigonometry and instructor consent

Fee Required: Registration fee at CCC

Calculus consists of 5 transferable college credits. Topics include the following: determine limits, estimate limits, find derivatives, demonstrate proficiency in differentiation and investigate families of functions. Expected homework amount is at least one hour each day.

COLLEGE ALGEBRA*

One semester

Grades: 11-12

Graduation Credit: Math/Elective (0.5/semester)

Prerequisite: Successful completion of high school Algebra II and instructor consent

Fee Required: Registration fee at CCC

College Algebra is 5 credits of transferable college credits designed to prepare students for Trigonometry and Calculus. Topics include analysis of piecewise, polynomial, rational, exponential, logarithmic, power functions and their properties, including transformations and symmetry, composition, inverse, regression, the binomial theorem and an introduction to sequences and series. Upon completion of first trimester, a student would be prepared to take a college level Stats course.

TRIGONOMETRY*

One semester

Grades: 11-12

Graduation Credit: Math/Elective (0.5/semester)

Prerequisite: Successful completion of College Algebra and instructor consent

Fee Required: Registration fee at CCC

Trigonometry is 5 credits of transferable college credits designed to prepare students for Trigonometry and Calculus. Topics include trigonometric functions, trigonometry developed from the unit circle, right triangle trigonometry, inverse trigonometric functions, trigonometric identities, the laws of sines and cosines, polar equations, parametric equations, and conic sections.

PHYSICAL EDUCATION

PERFORMANCE PHYSICAL EDUCATION

Two Sports **Grades:** 9-12

Graduation Credit: P.E. (0.5/two sports)

Prerequisite: None

Students have the opportunity to earn up to 1 full credit by participating in sports and filling out the "Performance P.E. Application for Credit" form. A student may be a JV player, a swing player, or a Varsity player to be counted for a Performance P.E. credit. For every two sports, a student can earn 0.5 credits. In order to graduate high school, each student is required to have 1 P.E. credit. Students may use Performance P.E. as the route to fulfilling his/her P.E. requirement, however, he/she cannot earn more than 1 full credit.

PHYSICAL EDUCATION

One Semester **Grades:** 9-12

Graduation Credit: P.E. (0.5/semester)

Prerequisite: None

This class engages in both indoor and outdoor activities during the semester, with the main determining factor being the weather. The P.E. curriculum includes, but is not limited to, softball, soccer, speedball, ultimate Frisbee, basketball, volleyball, floor hockey, team handball, and fitness. Please see the Parent/Student Handbook for appropriate P.E. attire.

SCIENCE

PHYSICAL SCIENCE

Both semesters **Grade:** 9

Graduation Credit: Science

The course is designed as an introduction to the major concepts in chemistry and physics. The course includes concepts such as: structure of atoms, periodic table principles, motion, forces, conservation of matter and energy, gravity, machines, electricity and the behavior of waves. These concepts are investigated through laboratory experiences designed to promote and develop appropriate skills in science inquiry.

BIOLOGY

Both semesters **Grade:** 10

Graduation Credit: Science

Students will investigate biological systems at the molecular, cellular, and macrobiological level. Hands-on laboratory exercises incorporating cellular biology, genetics, DNA technology, natural selection, and ecology will be provided to assist students in their understanding of biological themes. Projects and reading assignments may be required with each unit of instruction.

CHEMISTRY

Both semesters

Grade: 12**Graduation Credit:** Science

Students explore the fundamental principles of chemistry which characterize the properties of matter and how it reacts. Computer-based and traditional laboratory techniques are used to obtain, organize and analyze data. Conclusions are developed using both qualitative and quantitative procedures. Topics include, but are not limited to: measurement, atomic structure, electron configuration, the periodic table bonding, gas laws, properties of liquids and solids, solutions, stoichiometry, reactions, kinetics, equilibrium, acids and bases, and nuclear chemistry.

PHYSICS*

Both semesters

Grades: 10-12**Graduation Credit:** Science OR Elective (0.5/semester)**Prerequisite:** Physical Science and Algebra 2 or permission of instructor

This course is a laboratory, math-based course that elaborates on the study of the key concepts of motion, forces and energy as they relate to increasingly complex systems and applications that will provide a foundation for further study in science and scientific literacy. Students engage in investigations to understand and explain motion, forces and energy in a variety of inquiry and design scenarios that incorporate scientific reasoning, analysis, communication skills and real-world applications. Appropriate and effective reading and writing strategies will be integrated into all aspects of this college preparatory laboratory science course.

SENIOR CHALLENGE**SENIOR CHALLENGE**

Not a Scheduled Class

Grade: 12**Graduation Credit:** Senior Challenge (0.5)**Prerequisite:** None

The Senior Challenge is designed to expand student learning horizons and serve as a culminating experience after four years of high school. Students have the opportunity to choose either a Senior Project or a Senior Reflection Paper. Either endeavor will take the students into a deeper understanding of his/her academic skill and overall potential as an NCCS graduate. The ultimate goal is to help each student learn more about him/herself, what he/she is capable of, how he/she learns best and how to synthesize that information to communicate it clearly to others. *See separate packet for more information.*

SOCIAL SCIENCES



WORLD HISTORY

Both semesters

Grade: 9

Graduation Credit: Social Sciences (0.5/semester)

Prerequisite: None

World History provides students with an opportunity to work on critical thinking skills. This course not only reviews the origins of the world, the start of civilizations, first interactions, and more, but also delves into modern history. Students will journey throughout the world from the start to present day, focusing on interactions and world connections. In this course students use both primary and secondary sources, and search what Scripture has to say about the creation of the world (Genesis 1-2), the first civilizations (Genesis 4:17-22), migrations (Genesis 11:1-9), and more.

HONORS/AP U.S. HISTORY

Both semesters

Grade: 11

Graduation Credit: Social Sciences (0.5/semester)

Prerequisite: None

Honors/AP U.S. History is designed to provide a college-level experience. The class is taught in accordance with the *AP U.S. History Curriculum Framework* and is designed to prepare students for the AP Exam in May of 2016 while also allowing for students to earn needed high school credit. This course will cover information from the Pre-Columbian period to the present using chronological and thematic approaches to the material. Students will delve into history using a variety of resources ranging from a college-level textbook to primary resources (including artwork, images, maps, etc).

ECONOMICS/GOVERNMENT

Both semesters

Grade: 12

Graduation Credit: Social Sciences (0.5/semester)

Prerequisite: None

First semester is spent in Economics class learning about fundamentals, how markets work, different economic institutions, measuring and managing the economy, personal finances and more. Students delve into what it means to be a Christian in the business world and how we can be good stewards of our money (Luke 16:10-12; Matthew 25:14-30). Second semester students switch to Government class and learn about different types of governments (what has worked, what hasn't worked, and why), foundations of the U.S. Government, how to participate as citizens, and more. Students analyze the pros and cons to the way governments are run and explore international relations and the way the U.S. government interacts globally.

MISCELLANEOUS COURSES

COLLEGE PREP

Both semesters **Grade: 11**

Graduation Credit: Elective (0.5/semester)

Prerequisite: None

This course was designed to better prepare students in choosing the right path for them after high school. All students participate in learning how to seek the right college/university/career for them, how to read a college schedule in order to graduate on time, how to write an essay for a college application and more. Students also receive help in finding scholarships to apply for and how to build a resume. They also study Jerry Sittser's, "The Will of God as a Way of Life" to aid them in better understanding and following God's will for their lives regarding career vs. calling.

BUSINESS I & II

Both semesters **Grade: 12**

Graduation Credit: Elective (0.5/semester)

Prerequisite: None

First semester, will be built around learning and understanding the main areas of business, including marketing, finance, human resources, technology, operations, and overall strategy. Students will get to meet and talk with various business owners throughout the class and get to see some different businesses first hand. Students will develop and present a business plan of their own as their semester project.

Second semester, will be more in depth study on various sections of business, specifically marketing and technology. There will be various projects where students will research and learn what current practices are in these areas and what can be expected in the future.