This handbook is to help CCHS students understand the State of Minnesota Graduation Standards, graduation requirements and the course offerings at Cook County High School.
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# CCHS 2019-2020 COURSE OFFERINGS

## REQUIRED COURSES

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*Credits for graduating classes of 2020 and beyond are being adjusted due to the switch to block scheduling. 2019 had block schedules for two years, 2020 will have had block schedules for three years, and 2021-beyond will have had block schedules for all 4 years.

## ELECTIVE COURSES

### CTE
- Graphic Arts
- Economic Development (On the Job Training)
- Culinary Arts 1 & 2
- 360⁰ eTech
- Nursing Assistant
- Medical Terminology
- Emergency Responder
- CPR & First Aid

### English
- AP English 11/12 (½ credit/sem.)
- The Socratic Method
- Media Studies
- Creative Writing
- Theater Arts
- Film Studies
- General English

### Careers & Tech Education
- Shop: Metals & Woods I
- Shop: Metals & Woods II
- Shop: Metals & Woods III

### Science
- Chemistry
- AP Chemistry
- AP Biology
- Conceptual Physics
- AP Physics
- AP Environmental Science
- Anatomy and Physiology

### Music
- Senior High Band
- Senior High Choir

### Physical Education/Health
- Fitness & Wellness
- United Fit & Well
- HS Gym

### Visual Art
- Art I
- Art II
- Art III
- Art IV
- AP Studio Art: Drawing
- AP Studio Art: Design

### World Language
- Spanish I
- Spanish II
- Spanish III (Pre-AP)
- AP Spanish Language & Culture
- Ojibwe (1-4 years)

### Mathematics
- Pre-Calculus
- AP Calculus
- AP Statistics

### Social Science
- AP Human Geography
- AP World History
- Native/Indigenous Am. Cultural Studies

### Independent Study
- Independent Study

### Telepresence
- Varies by year and availability

*Elective Courses listed with a line through them are offered every other year and are not offered in 2019-2020.*

**Study Hall can be taken instead of an elective for Juniors and Seniors. No credit is earned from a Study Hall. Only one Study Hall allowed per semester. CCHS students must be enrolled in at least 7 classes per semester.*
**Important Information**

**DROPPING CLASSES**

Dropping of classes after the first day of a semester shall be accomplished through the use of a drop/add form available from the Mr. Hoffman’s office. Dropping/adding a class will require the student to meet with the school counselor, as well as obtain parent and teacher release signatures. When dropping a class after the end of the first week of the semester, a failing grade in the dropped class will appear as an “F” on student’s transcripts. College Credit courses (on high school or college campus) may have different deadlines for dropping courses. See your guidance counselor for details.

**SCHEDULE CHANGES**

Choose courses carefully as changes will only be made for the following reasons:
1) **Teacher recommendation**; 2) **Medical reason**; 3) **Inappropriate placement** and 4) **Students with an IEP**.

**In general, schedule changes can be made within the first five days of a semester.**

*If you have question or concerns, please see your counselor.*

**PASS/FAIL GRADES**

All Pass/Fail grades will be used only for medical, extenuating circumstances, or students with an IEP. This requires prior approval from administration.

**HIGH SCHOOL ONLINE LEARNING (NO college credit)**

There are a limited number of seats available for online high school courses. These seats are reserved for credit recovery purposes and for students who cannot fit a required class into their schedule due to scheduling conflicts. The school reserves the right to place a student in courses offered here at CCHS over classes offered through our online high school learning program.

**COOK COUNTY ALTERNATIVE CREDIT PROGRAM (CCACP)**

The Cook County Alternative Credit Program provides an online option for students to recover credits for classes previously failed. CCACP can be taken after school or during the summer. To participate in June Commencement, credits must be earned by mid-quarter of the 4th quarter. For more information, or to enroll in a credit recovery class immediately, see Counselor for details.
1. **Advanced Placement (AP)** classes are college-level classes offered in the high school setting. Students who complete the course work may take an AP test which may award college credits(s). Students enrolled in AP courses should anticipate college-level workloads and expectations. Remember: Advanced Placement is a nationwide curriculum. Students do not have to be enrolled in an AP class to take the AP test at the end of the year, but it is strongly recommended. The following Advanced Placement classes are offered at CCHS:

   - AP World History
   - AP Biology
   - AP Calculus
   - AP English 11
   - AP-Chemistry
   - AP Spanish Lang/Culture
   - AP 2-D Design
   - AP Studio Art
   - AP Human Geog.
   - AP Physics
   - AP Statistics

2. **College-in-the-Schools (CITS).** Students earn high school and college credits concurrently when enrolled in a CITS course. These courses are taken at CCHS as a regular scheduled class with qualified CCHS faculty serving as adjunct professors. Credits are earned through University of Minnesota-Duluth and Lake Superior College. Subjects include:

   - **College Composition (UMD):** College Writing: COMP 1120
   - **College Literature (UMD):** Introduction to Literature: ENGL 1003
   - **Economics (UMD):** Economics and Society: ECON 1003

   Students have the possibility of earning up to 9 college credits while they are in high school.

   ***Seniors must have a 3.0 GPA for UMD classes.***

3. **Post-Secondary Enrollment Option (PSEO)** Under the PSEO program, qualified juniors and seniors may attend participating Minnesota post-secondary institutions either full-time or part-time with tuition and textbooks paid for by the state of Minnesota. Credits earned will be applied toward meeting CCHS graduation requirements.

   Deadline and completion dates for course work are not negotiable.

   The PSEO program is designed: 1) to promote rigorous educational pursuits, and 2) to provide a wide variety of options for students. (The emotional maturities are major considerations for success in this program.) Careful attention should be given to the student’s ability to work independently, as well as the student’s self-discipline to get the school, to get to classes and to complete the assigned work without close supervision.

   **Qualifications:** Any 11th or 12th grade student meeting PSEO qualifying criteria according to grade-level, may enroll either full or part-time in nonsectarian courses or programs at an eligible post-secondary institution. Typically to quality for PSEO, you should be in the top 33% of your class as a junior and top 50% of your class as a senior, although individual college admission requirements will vary.

   **How to apply:** The student should meet with the school counselor for preapproval to ensure graduation requirements. Parent and student should then meet with Cook County Higher Education-Director of Education to discuss the post-secondary courses and high school requirements. Post-Secondary information forms should be returned to the school counselor to be completed.

   **Please be aware of college deadlines.**

4. **Honors On-Line:** Contracted college options through LSC, available on Campus or On-Line. Another opportunity for students to take college classes, but the High School pays for all of their college costs and textbooks associated with the course. GPA requirements are the same as outlined above in the CITS program for LSC for both Juniors (3.0 or higher GPA) and Seniors (2.5 or higher GPA).

5. **360⁰ eTech:** program introduces students to production technologies and information to on a manufacturing career pathway. This 15-30 credit certificate from Lake Superior College will involve PSEO online course work and periodic labs. These are COLLEGE level courses and students will be treated as college students. Talk to school counselor if interested.
Course Descriptions 2019-2020

Social Sciences

Geography/Early US History

Grade: 9 (Required)  
Prerequisite: None
American History will give students an opportunity to explore American History in ways that will be both educational and interesting. A chronological look at the events that shaped the United States will be uncovered by the student in a variety of ways. Special focus will also be put on the birth of our nation to 1850. In addition, Geography will be intertwined throughout the course and will be used in conjunction with current events. History topics covered in class will be: Exploration and Discovery; Colonization; Constitutionalism; The New Democracy; Slavery; Civil War; Reconstruction; Wild West

American History

Grade: 10 (Required)  
Prerequisite: American History 9/Geography
The focus of this course is the study of American History from mid to late 1800s to the present time…which is a lot of history to cover in 160 school days! This class will give you a feel for what it’s like to be in a college social sciences/history classroom, focusing on depth of subject and breadth of era, but also give you the accessibility of a high school course. When you walk out of this classroom at the end of the year, you will have learned a great deal of content, as well as improve your capability to master skills in inquiry, historical thinking, critical reading/literacy and investigative learning.

We will cover topics chronologically and thematically on every continent of the world under the six following units: Industrialism & Reform, 1840-1920; Expanding American Global Influence, 1895-1921; The Roaring Twenties and the Great Depression, 1914-1944; World War II and The Cold War, 1917-1960; Civil Rights Revolution, 1945-1990; Tumultuous Times: The Vietnam Era, 1954-1980; The Making of Modern America, 1980-Present.

World History

Grade: 11 (Required)  
Prerequisite: American History
The focus of this course is the study of World History from the beginning of human civilizations to the present time. The goals of this class are to teach you to think critically, skeptically and to always, always, ALWAYS ask questions. History is a complicated puzzle that doesn’t fit tidily into little boxes. In this class, you will be asked to investigate, debate, discuss and ultimately make choices and decisions that impact your understanding and other’s understanding of the issues.

We will cover topics chronologically and thematically on every continent of the world under the six following units: Foundations of World History: Prehistory-300 CE; Expanding Interactions, 300-1500 CE; The First Global Age, 1400-1800; An Age of Global Revolutions, 1700s-1914; Global Crisis and Achievement, 1900-1945; The Cold War and Beyond, 1945-Present.

AP World History

Grade: 11-12 (Elective, fulfills World History requirement)  
Prerequisite: American History, teacher approval required
Advanced Placement World History is a challenging course that is structured around the investigation of selected themes woven into key concepts covering distinct chronological periods. AP World History is equivalent to an introductory college survey course. The course has a three-fold purpose: First, it is designed to prepare students for successful placement into higher-level college and university history courses. Second, it is designed to develop skills of analysis and thinking in order to prepare students for success in the twenty-first century. Finally, it is the intent of this class to make the learning of world history an enjoyable experience. Students will be able to show their mastery of the course goals by taking part in the College Board AP World History Exam in May.
Government  
Grade: 12 (Required)  
**Prerequisite: World History**  
Students will examine the foundations of the American Government with emphasis on the Constitution of the United States and how the government affects them in their daily lives. This course will encourage critical thinking skills through the use of primary sources, political cartoons, graphs and photos to make the structure and principles of government accessible to students. This course will encourage students to become active participants in the political processes of the U.S. government.

Economics  
Grade: 12 (Required)  
**Prerequisite: World History**  
This course will cover both Micro and Macro Economics to give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, with the larger economic systems. Topics being dealt with will be basic economic problems, functions of price, supply and demand, elasticity of demand, utility, profit, markets, competition, monopoly and money banking.

CITS Economics  
Grade: 12 (Elective, Fulfills Economics Requirement)  
**Prerequisite: World History, Teacher approval required**  
The University of Minnesota, Duluth, offers Economics to seniors with a 3.0+ GPA. This course covers both Micro and Macro Economics in detail to give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both as consumers and producers. Economics systems will be studied and the following topics will be covered: basic economic problems, functions of price, supply and demand, elasticity of demand, market systems, competition, and banking. In addition, students will have the opportunity to participate in the Minnesota Stock Market Game throughout the course of the semester.

AP Human Geography  
Grade: 9-12  
**Prerequisite: American History 9/Geography, Teacher permission required**  
The purpose of the AP Human Geography course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth’s surface. Students learn to employ spatial concepts and landscape analysis to examine human socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications. On successful completion of the course, students should have developed skills that enable them to: interpret maps and analyze geospatial data; understand and explain the implications of associations and networks among phenomena in place; recognize and interpret the relationships among patterns and processes at different scales of analysis; define regions and evaluate the regionalization process; characterize and analyze changing interconnections among places.

Native/Indigenous American and Cultural Studies  
Grade: 9-12  
**Pre-requisite: None**  
This class is an introduction to the study of the indigenous peoples of North America and the academic field of Native Studies. Native Studies seeks to understand indigenous peoples from indigenous perspectives and to undertake research to address the problems created by the history of Euro-American misrepresentations and mistreatment of Native peoples.

This course is also designed to celebrate and study Dakota and Ojibwe peoples’ relationship with their homelands, which is rooted in cultural history and spirituality, including a powerful sense that they are related to everything that surrounds them. The Dakota express this as mitakuye owasin, “all my relatives.” This profound connection with their land includes a responsibility to maintain balance by caring and providing for one another. Throughout history, this connection has established Native nations’ sovereignty in this place.
Language Arts

English 9  
Grade: 9 (Required)  
Prerequisite: None  
Students in English 9 will develop and improve their mastery of oral communications, reading comprehension, and the writing process. They will intellectually wrestle with a variety of units and assignments, from building consensus in group communication, to writing and delivering lyric poetry in a poetry slam. Students will also perform Shakespeare’s *Romeo and Juliet*, analyze and develop political cartoons, and participate in literary discussion circles for Lois Lowry’s *The Giver* and Laurie Halse Anderson’s *Speak*.

English 10  
Grade: 10 (Required)  
Prerequisite: English 9  
American Literature is the focus of the English 10 curriculum. Students will read and discover a variety of literature from different literary periods that reflect the dreams, ideas, and history of the country. Students will demonstrate an understanding of how particular themes relate to historical periods and prevalent cultures, how these themes developed, and how they changed. Students will read a variety of literary pieces, including Arthur Miller’s *The Crucible*, Harper Lee’s *To Kill a Mockingbird*, Fitzgerald’s *The Great Gatsby*, Steinbeck’s *Of Mice and Men*, and Charles Frazier’s *Cold Mountain*.

World Classics (English 11)  
*Academic Writing and Literal Analysis*  
Grade: 11 (Required)  
Prerequisite: English 10  
This course uses widely read literature to connect students both to the past and also to one another as readers and writers. Typical authors studied include Shakespeare, Shelley, Erdrich, and Hansberry. Students practice writing skills in rhetoric, research writing, literary analysis, and reflective writing. This preparation equips students well for further study in the senior year.

AP English Literature and Composition  
*Academic Writing and Literary Analysis*  
Grade: 11-12 (Elective, fulfills English 11 requirement)  
Prerequisites: English 10; current English Teacher recommendation; advanced reading proficiency; approval of Guidance Counselor and AP Teacher.

AP English Literature and Composition, offered through the College Board, challenges students who are ready for college-level reading, writing, and discussion. A high degree of independence and organization is needed to navigate the demands of the reading schedule. Students will gain proficiency in literary analysis and the vocabulary of literary study. Successful scores on the mandatory AP Exam opens up opportunities for college credit at many post-secondary institutions.

English 12: Modern Authors  
*Analysis and Creation of Literature*  
Grade: 11-12 (Elective, fulfills English requirement)  
Prerequisite: English 11 or AP English  
In this fall semester class, seniors study great nonfiction and fiction by recognized authors in the current era. Featured authors include Larry Watson, Louise Erdrich, Mitch Albom and Malcolm Gladwell. Seniors also write personal essays, poems, and analysis papers. Seniors in Modern Authors also practice nonfiction writing that will aide in college admission applications and career exploration.
English 12: Communications 0.5 Credits (2nd Semester)
Grade: 12 (Elective; fulfills grade 12 English requirement)
Prerequisite: World Classics or AP English Lit and Comp.
Communications is a spring semester course designed for students to learn and practice skills in interpersonal communication, public speaking, and technical writing. A variety of speaking and presenting situations, partnered with listening and reflecting opportunities, will engage students in a real-life context.

The University of Minnesota, Duluth, offers these two college courses to seniors with a 3.0+ GPA. To be eligible for CITS English, students need to have earned an A or B in Eng. 11: World Classics. Successful completion of College Writing first semester is an additional prerequisite for College Literature second semester. While completing these college classes at CCHS, students also participate in the Senior Show and other CCHS activities.

CITS College Writing (Taken with CITS College Literature) 0.5 Credits (1st Semester)
Grade: 12 (Elective, Fulfills ½ English 12 requirement) (3 UMD College Credits)
Prerequisite: English 9, English 10, English 11 or AP English 11-12, Teacher approval required
College Writing starts with orientation to college research at UMD. Then students select controversial topics for study and debate. After writing a series of persuasive essays, students compile their research into a short research paper. At the close of the course, students argue their opinions in a lively community presentation, popularly known as “The Night of the Notable and the Notorious.”

CITS College Literature (Taken with CITS College Writing) 0.5 Credits (2nd Semester)
Grade: 12 (Elective, Fulfills ½ English 12 requirement) (3 UMD College Credits)
Prerequisite: English 9, English 10, English 11 or AP English 11-12, Teacher approval required
Introduction to College Literature engages students in advanced analysis of fine fiction, poetry, and drama. Highlights of the course include Theater Sports and an opportunity to attend professional theater productions.

General English 1 Credit (Full Year)
Grade: 10-11 (Elective)
Prerequisite: Minimum of one semester of Eng. 9; Teacher, Counselor, or Administrator recommendation.
General English uses highly engaging nonfiction texts to improve all aspects of reading and writing. Typical lessons include reading aloud, vocabulary practice, writing prompts, and whole class discussion. Targeted skill development is crafted based on individual student needs with the twin goals of improvement reading proficiency scores on standardized tests and finding success in the next grade-level English course.

Socratic Method 0.5 Credits (1st Semester)
Grade: 9-12 (Elective)
Prerequisite: None
“The unexamined life is not worth living.” This literature and philosophy course is rooted in the wonder and joy of intellectual inquiry. Students will be introduced to the Socratic Method, a 2500-year-old method of questioning and discovery. Students interested in truth, the law, philosophy, culture, and debate will find great pleasure in this exciting and life-changing course! Class participation, journal writing, and topical research required.

Media Studies 0.5 Credits (2nd Semester)
Grade: 9-12 (Elective)
Prerequisite: None
Course Description: Media Studies focuses on mass media and how it creates, sells, changes, challenges, and governs communications. In particular, we will study the history of the news industry, how reporters research stories, journalism ethics, photo journalism, communications law, advertising, social media, blogs, and the ethics of a mass-market media.

Theater Arts 0.5 Credits (2nd Semester)
Grade: 9-12 (Elective)
Prerequisite: None
This high school Fine Arts elective will introduce students to the conventions of acting and theater. Through a historical study of theatrical periods, script analysis, character development, set design, and an introduction to technical theater,
coupled with an understanding of the elements of direction, the development and mastery of theatrical games, and experience in costuming and stage makeup, students will experience the wonderful world of theatrical performance. This exciting course creates an electric environment of trust and cooperation, problem solving and self-confidence!

**Creative Writing**  
Grade: 9-12 (Elective)  
Prerequisite: None  
Creative writing will demonstrate the power of the written word. Writing is a powerful tool that shapes perceptions, aids in personal growth, provides ways to effect change, and organizes thoughts. This exciting course will allow students a fun and encouraging environment to develop creative writing skills. With instruction, concentration, practice, and patience, student writers will gain control over the written word. Creative Writing students will develop an understanding of phases of the writing process; write frequently on a variety of topics for a variety of purposes and audiences; develop an understanding of the structures and conventions of language; participate in workshops through shared readings and objective commentaries; follow the district’s Student Writing Guidelines.

**Film Studies**  
Grade: 9-12 (Elective)  
Prerequisite: None  
Film Studies is a semester long English and Fine Arts elective for high school students. In this class students will learn the elements of film and production. We begin by analyzing The Hero’s Journey, the ancient story telling construct that produced epic poetry as well as Star Wars. Students will also view a variety of films from several genres that help explain the artistry and methodology of film making. Students will also learn the art of screenplay writing, storyboarding, shot selection, and some editing concepts. Students will have the opportunity to try some film making techniques themselves!

**Science**

**Physical Science**  
Grade: 9 (Required)  
Prerequisite: None  
The introductory Physical Science course helps students to understand some of the basic principles of physical science and to acquire useful laboratory skills as well as general academic skills necessary for high school success. It also encourages the development of reasoning skills and the use of scientific method to arrive at answers.

**Biology**  
Grade: 10 (Required)  
Prerequisite: Physical Science  
Have you ever wondered about what makes you so unique and different? This question is an example of the types of topics you will be able to explore during General Biology. This course, designed for 10th grade students, will take you on an exploration of the ecological nature of our world. Then we will dive in to the microscopic world as we will investigate plant and animal cells, cell processes, cell reproduction, genetics, DNA, genetic diseases, genetic issues and current research. You will also have a chance to further your knowledge on how the immune system works to combat disease.

**AP Environmental Science**  
Grade: 10-12  
Prerequisite: Physical Science, Teacher approval required  
This elective course is designed to be equal to a college level course that introduces students to the topics within the arena of environmental science. Environmental Science includes the union of topics such as geology, biology, chemistry, sociology, and geography. Through this course you will gain the opportunity to further your knowledge of science as a process, energy conservation, the interconnections of the different systems on Earth, human impact on natural systems, environmental problems and their impacts on both cultural and social issues, and human survival through sustainable systems. As this course is an AP course and contains a high standard of rigor it is recommended that you have received grades above a ‘B’ in your previous general science courses. If you are interested in this course but you have not scored well in your previous science courses you will need to fill out an application and gain teacher recommendation. Biology is not a pre-requisite for this course; however, it will help to have either had General Biology or to be taking it along with this course.
Conceptual Physics  
Grade: 11-12 (Physics or Chemistry credit required for any 4-year school)  
Prerequisite: Physical Science, Biology  
Physics attempts to explore the underlying workings of the universe. The driving idea behind Conceptual physics is to engage students with analogies and imagery from real-world situations to build a strong conceptual understanding of physical principles ranging from classical mechanics to modern physics.

AP Physics 1  
Grade: 11-12 (Physics or Chemistry credit required for any 4-year school)  
Prerequisite: Physical Science, Biology, Teacher approval required  
AP Physics 1 is an Algebra based physics course that explores principles of Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. The course is based on six Big Ideas articulated by the College Board, which encompass core scientific principles, theories, and processes that cut across traditional boundaries and provide a broad way of thinking about the physical world. For most students, a passing score on the AP exam enables them to earn college credit for this course.

Anatomy & Physiology  
Grades: 9-12  
Pre-requisite: Biology  
Human Anatomy and Physiology investigates the structure and function of the human body. In this lab-based class, students will learn about structures of the body, how the structures are organized, biochemical composition, interactions among body systems, and the impact of external influences such as disease on the body. Starting with basic terminology, the course will incorporate a variety of ways of learning in order to engage students with each major system of the human body. One of the goals of the course will be to prepare students for success in the health care field, but students do not have to be planning to go into health care to take the course.

General Chemistry  
Grades: 11-12 (Physics or Chemistry credit required for any 4-year school)  
Prerequisite: Physical Science, Biology  
Chemistry is the study of the structure and composition of matter, of changes in its composition, and the mechanisms by which these changes occur. Chemistry is generally required for admission to college.

AP Chemistry (2 blocks!)  
Grades: 11-12 (Elective)  
Prerequisite: Physical Science, Biology, Teacher approval required  
AP Chemistry is designed to be the equivalent of the general chemistry course usually taken during the first year of college. Since most students in this course have not taken General Chemistry, this course will meet every day. With first semester being the basis of HS Chemistry, and the second half being more fully devoted to College and AP Chemistry. For most students, a passing score on the AP exam earns credit and enables them to take second year work in the chemistry sequence during their freshman year at their institution or to register in courses in other fields where general chemistry is a prerequisite. This course is structured around the six big ideas articulated in the AP Chemistry curriculum framework provided by the College Board.

AP Biology  
Grades: 9-12 (Physics or Chemistry credit required for any 4-year school)  
Prerequisite: Biology and Teacher approval required  
This is a new course that is being offered at Cook County High School. Now is your opportunity to explore further the amazing details and processes within our world which allow life to exist. We will spend time investigating the process that drives diversity, how organisms maintain homeostasis, the information that is essential for the processes of life, and how biological systems interact. There will be an emphasis on experiential learning through laboratory experiences. To take this course it is recommended that the student has already taken General Biology. This course will culminate in an AP exam.
Mathematics

**Special Information for Mathematics Students**

Students in Minnesota are required to complete 3 full year credits of mathematics during their high school years. There are also three Mathematics standards that must be earned. Math placement is determined by teachers. **You are required to bring your registration form to your current math teacher for their signature to determine your math placement.***

***Note: Some 4-year Colleges require 4 YEARS of MATH credits***

### Intermediate Algebra

**Grade: 9 (Required, unless taken in 8th Grade)**  
**Prerequisite: None**  
This course continues the study of algebraic patterns introduced in 8th grade algebra. Students solve equations and inequalities numerically, graphically, and symbolically. They use recursion to model and solve real-world and mathematical problems. They translate among equivalent forms of expressions and equivalent forms of linear equations and inequalities. They will solve linear equations and inequalities in one variable use a variety of models such as equations, inequalities, algebraic formulas, written statements, tables, and graphs or spreadsheets to represent functions and patterns in real-world and mathematical problems. Simplifying expressions and equations involving exponents and radicals will be extended. This course begins study of the three required high school math standards: Patterns, Functions, and Algebra; Spatial Sense, Geometry and Measurement; Data Analysis, Statistics and Probability.

### Geometry

**Grade: 9-10 (Required)**  
**Prerequisite: Intermediate Algebra**  
This course is the investigative study of measurement, properties, and relationships of lines, angles, plane figures, and solid figures. Early on students learn construction techniques with compass and straight edge. These tools as well as a protractor are used throughout the course. Students learn to write informal and formal proofs using inductive and deductive reasoning. Algebra skills are reviewed and practiced throughout the geometry. The coordinate plane is regularly a part of lessons as we calculate distances, midpoints, slope and characteristics of triangles, polygons and circles. Pythagorean Theorem is practiced as well as concepts of congruence and similarity. Mastering the new VOCABULARY is a huge part of geometry.

Pre-requisite: Successful completion of Intermediate Algebra. This course continues the study of math standards: Spatial Sense, Geometry, and Measurement (main focus); Data Analysis, Statistics, and Probability; Patterns, Functions, and Algebra.

### Advanced Algebra II

**Grade: 10-11 (Required, Fulfills the Algebra II requirement)**  
**Prerequisites: Intermediate Algebra, Geometry**  
Students represent and analyze real world and mathematical problems using numeric, graphic and symbolic methods for a variety of functions (linear, step, absolute value, exponential, quadratic, power and periodic). Students learn how to use recursive formulas and related explicit equations to represent algebraic patterns. Extended study of the symbolic manipulation of expressions and equations including exponents and radicals is embedded throughout the course. Advanced Algebra extends previous algebra learning to include trigonometry, complex numbers and logarithms. Units on randomness/probability and statistical analysis of one and two variable data extend previous study for students. This course completes the Minnesota math standards: Patterns, Functions, and Algebra (main focus); Date Analysis, Statistics, and Probability; Patterns, Functions, and Algebra.

### Applied Algebra II

**Grade: 10-11 (Required, Fulfills the Algebra II requirement)**  
**Prerequisites: Intermediate Algebra, Geometry**  
This course is an alternative course in mathematics that will cover the same content as Advanced Algebra but at a less rigorous level. All math standards will be reviewed and further developed in this course. Applied Algebra II is meant for those students for whom math has been a challenging course. Most learning activities use real world/practical situations in an effort to help students better understand concepts. Preparation for the 11th grade spring MCA math test is emphasized throughout the year. This course completes the Minnesota math standards: Patterns, Functions, and Algebra (main focus); Data Analysis, Statistics, and Probability; Spatial Sense, Geometry, and Measurement.
Pre-Calculus  
Grade: 11-12 (Elective, Note)  
Prerequisites: Advanced Algebra (recommended) OR Applied Algebra with permission  
Pre-Calculus involves study of advanced algebra, trigonometry and function theory. Other topics include vectors, parametric and polar equations and geometric and arithmetic series. There is an emphasis on applications in the course. This course is a prerequisite for students planning to take Calculus. The TI-83+ (or higher level) graphing calculator is highly recommended this course. Prerequisite: Highly successful completion of Advanced Algebra.  
Note: This class is required for all students who took Intermediate Algebra as seventh or eighth graders.

AP Calculus  
Grade: 12 (Elective)  
Prerequisites: Pre-Calculus, Teacher approval required  
An introduction to differential and integral calculus, this course is designed for the serious student who has done above average work in Advanced Algebra and Pre-Calculus. The TI-83+ (or higher level) graphing calculator is required for this course. Prerequisite: Highly successful completion of Pre-Calculus. Students will take the AP College Board test in the spring in order to have the opportunity to receive college credit.  
Note: This class is required for all students who took Geometry as an eighth grader.

AP Statistics  
Grade: 11-12 (Elective)  
Prerequisites: Advanced Algebra or Applied Algebra and teacher approval required.  
The AP Statistics course is equivalent to a one-semester, introductory, non-calculus-based college course in statistics. The course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes in the AP Statistics course: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding.

Physical Education & Health

Physical Education  
Grade: 9 (Required)  
Prerequisite: None  
Physical Education for 9th grade is required at CCHS. The primary focus of physical education is the optimum health of the student for the present and in the future. The student will participate in exercises and activities designed to improve the anaerobic and aerobic energy systems, flexibility, strength, agility, physical fitness knowledge, sport skills, sports knowledge, social skills and positive character traits.

Health  
Grade: 9 (Required)  
Prerequisite: None  
This course will cover a variety of health issue that students may encounter in their lifetime. Students will gain health knowledge and practice life skills involving mental/emotional health, family living, growth and development, nutrition, personal health, alcohol, tobacco and other drugs, communicable and chronic diseases, injury prevention and safety, consumer and community health, environmental health.

HS Gym  
Grade: 10-12 (Elective)  
Prerequisite: None, you may only take ONE elective PE credit per year!  
We would like to encourage you to continue to participate in physical activities on a daily basis, throughout your high school years and beyond, so you can live a healthy lifestyle and improve both your physical and mental health. We hope to do this by allowing you to have more say in what activities we do in this class. We will probably have fewer units, or activities, for longer periods of time. You will have the same requirements, or expectations, as you do for other physical education classes, but you’ll have more say in what activities we do. You should have an opportunity to use the YMCA Fitness Center, as well.
Fitness & Wellness  
Grade: 10-12 (Elective)  
Prerequisite: None, you may only take ONE elective PE credit per year!  
You will have an opportunity to spend more time in the YMCA Fitness Center, as well as, an opportunity to develop and implement your own individual fitness plan. You will keep a log of your workouts and progress throughout the year. You will also have an opportunity to do group activities, at least, twice a week. If you have something specific you want to work on, or improve, this might be your opportunity. Don’t take this class unless you like to work out, sweat and be active!

Music  
(Each class fulfills the Fine Arts graduation credit requirement)

Senior High Symphonic Band  
Grades: 9-12 (Elective)  
Prerequisite: Teacher approval needed if student does not have any previous band experience or has not played in band consecutively.  
Symphonic Band is open to 9-12 grade students who play an instrument at a specified competency level. Students will perform advanced literature, drawing upon skills acquired in Concert Band and middle school. Students will learn and/or review major scales/rudiments/arpeggios as they pertain to their instrument along with complex rhythms, proper tone quality, music terminology, and history as it relates to music being performed. Students will be expected to: demonstrate respect for music, instruments, and each other; follow the directions of the conductor, attend all performances, practice at home, and participate in a weekly private lesson with an instructor. The band performs at approximately 15 athletic events each year, gives a minimum of two formal concerts, and competes in at least one MSHSL contest each year. The band also plays at graduation. All of these performances are required as part of the Symphonic Band curriculum. There are also opportunities for small group performances and competitions as well as Honor Band participation.

Senior High Choir  
Grades: 9-12 (Elective)  
Prerequisite: None  
High School Choir is open to 9-12 grade students who sing at any level. Choral literature includes primarily classical music, along with selections from jazz, folk, barbershop, contemporary a cappella, and popular music. The choir performs at approximately five athletic events each year, gives a minimum of two formal concerts, and competes in at least one MSHSL contest each year. The choir also performs at graduation, baccalaureate, and E.A.T.S. Performances are required as part of the High School Choir curriculum. There are also opportunities for small group performances and competitions as well as Honor Choir participation.

Careers & Technical Education

Graphic Arts  
Grades: 10-12 (Elective, Fulfills “Fine Arts” graduation requirement)  
Prerequisite: None  
The course fully explores design skills by using tools, techniques, software, procedures and presentations to produce professional graphic design. Students will develop the ability and confidence to determine appropriate and successful designs to be used in the production of advertisements, artistic pages, and posters. We will delve into the financial aspects of the graphic world, as well as possible careers in this dynamic field. One of our resulting products will be the high/middle school yearbook.

Economic Development (On the Job Training)  
Grade: 11-12 (Elective)  
Prerequisite: Teacher approval required  
The major purpose of this program is to provide valuable vocational education for the student trainee in the occupational field of his/her choice. Student will be working for chosen employer while getting credit for his/her work.
Nursing Assistant Course (Mesabi Range) 0.5 Credit (1st Semester)
Grade: 10-12 (Elective)
Prerequisite: Teacher approval and must meet college testing requirements
Students who complete this semester long course will have the opportunity to become Certified Nursing Assistants (CNA) as well as earning three college credits through Mesabi Range Community College.

Medical Terminology (Mesabi Range) 0.5 Credit (2nd Semester)
Grade: 10-12 (Elective)
Prerequisite: Teacher approval and must meet college testing requirements
Interested in learning terminology to become more prepared for a future career in the medical field? Look no further! If you are interested in a medical career, this is a MUST have course, and free college credits. Will also be touching on different careers within the Health Care Universe.

Emergency Responder Course (Mesabi Range) 0.5 Credit (1st Semester)
Grade: 10-12 (Elective)
Prerequisite: Teacher approval and must meet college testing requirements
Ever wonder what it would be like to save someone’s life? This three-credit college course could literally save lives. This is not just a course for those looking to be in the medical field for a job, it’s for anyone who may someday need to know how to help another person... from a car crash to a snowmobile accident, slipping and falling on ice... This is a great course to learn the basics of responding in any emergency.

CPR and First Aid (Mesabi Range) 0.5 Credit (2nd Semester)
Grade: 10-12 (Elective)
Prerequisite: Teacher approval and must meet college testing requirements
CPR certification. A great course to take if considering a medical career; but, it’s not just for that! Teachers, social workers, lumberjacks, law enforcement, and hundreds of other jobs all require a CPR certification. Come learn how to save lives, and earn a few college credits.

Culinary Arts 1 Credit (Full Year)
Grades: 9-12 (Elective)
Prerequisite: None
This course is open to any student who has a serious interest in learning more about the techniques and science of cooking and baking, whether for their own enjoyment or in preparation for a career in the culinary field. Serious students will acquire professional entry level technical skills and experience that can be utilized following high school graduation in the pursuit of many careers available in the culinary field. When possible, the class will take advantage of the many fine chefs and restaurants available in our community. There are a variety of areas in which the students will be focusing on throughout the school year such as techniques, breads, pies and pastries, yeast bread and cakes, cookies and candy, egg cooking, soups and stews, fresh pasta, Asian cooking, potatoes and grains, and poultry.

Culinary Arts 2 1 Credit (Full Year)
Grades: 11-12 (Elective)
Prerequisite: Culinary Arts
This course is open to any student who may be interested in pursuing a career in Culinary Arts. Technical Skills Assessments and Certifications will be part of the required curriculum. These skills would come in very handy for a life-long career in this field, or for a future “college” job. Skills and assignments will be more advanced to tailor to a more advanced group of students. This isn’t your ‘everyday’ cooking class...

ALL GIRLS GARAGE/SHOP 0.5 Credits (Semester)
Grade: 9-12 (Elective)
Prerequisite: None
This is an elective that is designed to get GIRLS excited about Industrial Tech. The class introduces GIRLS to all the machines in the industrial education shop, and teaches them how to use the machines in a safe and productive manner. The Girls will learn about Metal Art, 3D CAD, Woodworking, Metalworking, and many other Engineering Concepts. This class is designed to make them aware of the careers that are available in the area of Industrial Tech.
Introduction to Small Engines

Grade: 9-12 (Elective)
Prerequisite: None
This is an elective course that introduces students to Transportation and the basics of small engines. Students learn the concepts of Power and Energy (Horsepower), and how they relate to a small engine. Students will tear down and rebuild a small engine. The engine will run when completed. Students also learn about alternative energy and power.

Metals and Welding I

Grade: 9-12 (Elective)
Prerequisite: None
This elective course is designed for grades 9-12. Students will learn the basic techniques in metal working. Students will learn about and develop their skills in Shielded Arc “Stick” Welding, Oxy-Acetylene Welding and Cutting, Gas Metal Arc “Wire Feed” Welding, Plasma Arc Cutting, CNC Plama Cam, Welding Safety, Print Reading, and Accuracy in Measurement. Students are required to design and build projects. Students are required to pay for the projects that they are constructing. Student projects range from can crushers, metal clamps, hammers, to plasma art. Students will learn about the exciting careers in metal working, from Metal Art to Industrial Maintenance.

Metals and Welding 2

Grade: 9-12 (Elective)
Prerequisite: Metals and Welding 1
This elective course is designed for grades 10-12. Students will expand on their understanding of metal working from Metals and Welding 1. Students will continue to develop their welding skills. Students are required to design and build projects. Projects may include an ice fishing shanty, decorative log holders, small trailers, metal art, and everything in between. Students are required to pay for the projects that they are constructing. Students will learn about careers in metal working, from Metal Art to Industrial Maintenance.

360⁰ eTech

Grade: 10-12 (Elective)
Prerequisites: CAD, Teacher approval required
360°'s eTECH programs help you move forward in your career and education. By enrolling in our online and blended courses, you are furthering your education and achieving your professional ambitions. These programs will give you skills and knowledge to gain employment in the dynamic and high-paying advanced manufacturing industry. A 360° eTECH certificate is a great way to start your career in manufacturing. Each certificate provides entry-level, employable skills in high-demand fields. The Production Technologies Certificate is designed to introduce to the world of manufacturing. This 15-credit certificate introduces students to production technologies and information to on a manufacturing career pathway. In the seven courses, topics include: Technical mathematics; Introductory computer skills; Print interpretation; Manufacturing processes; Quality control; Maintenance; Safety. Classes will involve online course work and periodic labs.

You can use the knowledge gained in Production Technologies to take more classes to learn Automation, Machining, or Welding. These courses can be taken during your second year in the 360° eTech Program or after leaving Cook County High School. Internships opportunities are available after completing your first year of course work. Note: These are COLLEGE level courses and students will be treated as college students. Deadline and completion dates for course work are not negotiable.

Woods and Construction I

Grade: 9-12 (Elective)
Prerequisite: None
This is an elective course that is designed to introduce students to the concepts involved in woodworking and construction. Students learn the safe use of all the woodworking machines. Students learn concepts in Design and CAD, Carpentry, and Basic Construction. The course covers areas of basic Concrete, Foundation, Floor, Walls, and Roofing. Students will develop hands-on skills, knowledge, and safety practices in the shop. Students will build a designated project. The student’s next project will be a small furniture or cabinet of their choice and will be paid for by the student. Project examples are entertainment centers, coffee tables, gun cabinets, dressers, curio cabinets, and many other things.
**Woods and Construction II**

*Grade: 9-12 (Elective)*

*Prerequisite: Woods and Construction I*

This is a hands-on course that is designed to expand on the concepts students learned in Woods and Construction I. Students will learn to use tools and equipment related to the construction industry. Students can choose to build small construction projects such as furniture or gun cabinets or larger projects such as deer stands, fish houses, sheds, or other small construction projects. Student will pay for the projects that they are constructing.

**CAD**

*Grade: 9-12 (Elective)*

*Prerequisite: None*

This is a semester long class that is aimed at future engineers, architects, carpenters, machinists, and project designers. Students will learn 2D and 3D design using SOLIDWORKS. Students will turn ideas into three dimensional drawings, and create 3 dimensional models of their designs by using 3D printers.

**Robotics**

*Grade: 9-12 (Elective)*

*Pre-requisite: none*

This is a semester long class that is aimed at being an introductory course for students interested in pursuing robotics. Students do not have to be associated with the robotics team, but a great deal of time will be dedicated to programming, building, and learning to operate robots and other small mechanical objects.

**World Languages**

**Ojibwe I: Language & Tradition**

*Grade: 9-12 (Elective)*

*Prerequisites: None*

Boozhoo! Aaniin! Greetings! Ojibwe, Anishinaabe, and Chippewa are the identifying names for one large nation of Native Indians located in regions surrounding Gichi-gamiing, the great shores of Lake Superior in North America. This course will introduce students to Ojibwe language and the rich woodland traditions of the vibrant native people of today. The course will include introductory language usage in speaking, listening, reading and writing. Cultural topics and activities will help students understand the woodland circle of seasons as well. Course content will expand the students' world view and diverse perspectives. No previous native language experience or native affiliation is needed.

**Ojibwe II**

*Grade: 10-12 (Elective)*

*Prerequisites: Ojibwe I*

Continuation of learning about the Ojibwe language and culture, expands on what was learned previously.

**Ojibwe III**

*Grade: 10-12 (Elective)*

*Prerequisites: Ojibwe II*

Continuation of learning about the Ojibwe language and culture, expands on what was learned previously.

**Ojibwe IV**

*Grade: 10-12 (Elective)*

*Prerequisites: Ojibwe III*

Continuation of learning about the Ojibwe language and culture, expands on what was learned previously.
Spanish I  
Grade: 9-12 (Elective)  
Prerequisites: None  
The goal of Spanish I is to work toward fluency in speaking, reading and writing Spanish. This will be accomplished by using a variety of methods including: participating in conversations, storytelling, analyzing videos and films, reading magazines, and learning songs. By the end of the school year you will be able to understand and give information in Spanish using the present tense.

Spanish II  
Grade: 10-12 (Elective)  
Prerequisites: Spanish I, Teacher approval required  
The goal of Spanish 2 is to continue working toward fluency in speaking, reading and writing Spanish. This will be accomplished by using a variety of methods including: participating during in-class conversations, storytelling, analyzing videos and films, reading magazines, and learning songs. By the end of the school year you will be able to understand and give information in Spanish using the present tense, the preterit tense and the imperfect tense.

Spanish III (Pre-AP)  
Grade: 11-12 (Elective)  
Prerequisites: Spanish I, Spanish II, & Teacher approval required  
The goal for Pre-AP Spanish course is to continue to develop fluency in speaking, reading, and writing Spanish. It is also designed to prepare students for AP Spanish and Culture.

AP Spanish Language & Culture  
Grade: 11-12 (Elective)  
Prerequisites: Spanish I, Spanish II, & Teacher approval required  
The AP Spanish Language and Culture course utilizes a rigorous and holistic approach towards language proficiency. At the end of the year, students will have the opportunity to take the nationally recognized AP Spanish exam. Students who demonstrate proficiency will be able to garner college credit that most four-year universities in the United States and universities in 60 countries recognize in the admissions process (2013 College Board). This means that students may earn both high school and college credit. While students will be offered the opportunity to earn college credit through the AP Spanish exam, students are not required to do so and can use this course only for high school graduation.

Visual Arts  
(Each class fulfills the Fine Arts graduation credit requirement)  

There is a $15 materials fee which purchases a set of art supplies for the student’s use throughout the year.

Art I  
Grades: 9-12 (Elective)  
Prerequisite: None  
Students in Art 1 will learn how to use the elements and principles of art to express their ideas in art creation. They will use a variety of art materials in drawing, painting, print-making, ceramics and crafts. Emphasis will be on learning specific techniques of various media while developing a personal voice in visual communication. Students will learn how to describe characteristics of styles and movements using the language of art. Students will also study art from cultural and historical perspectives.

Art II  
Grades: 10-12 (Elective)  
Prerequisite: Art I  
Students in Art 2 will build on knowledge and experience gained in Art 1. They will further refine technical skills in a variety of media and continue to express their personal voice through their art-making. Students will engage in critiques of their own work, their peer’s work and the work of the Masters.
Art III (Pre-AP Studio Art) 1 Credit (Full Year)
Grades: 11-12 (Elective)
Prerequisite: Art I, Art II
The advanced levels are designed for students who have a strong interest in art. The instructor will provide some direction for specific projects, but students are expected to consider more individual areas of studies and use of media. Art 3 students have the option of beginning work for their AP portfolio in their junior year.

Art IV 1 Credit (Full Year)
Grades: 11-12 (Elective)
Prerequisite: Art I, Art II, Art III
Seniors may take Art 4 and follow the AP guideline of study without submitting a portfolio for review at the end of the year. Emphasis in Art 4 is on independent study with guidance from the instructor.

AP Studio Art: Drawing or 2D Design 1 Credit (Full Year)
Grades: 12 (Elective)
Prerequisite: Art I, Art II, Art III, Teacher approval required
The AP experience simulates a college studio experience, not only in the rigor of academic standards but also in the development of independence. A sense of self and personal direction, personal responsibility for learning, and self-discipline are required to be successful in developing the AP Studio Art portfolio. An AP student portfolio has three sections: quality, concentration and breadth. A passing grade on the AP portfolio, assessed by the College Board, provides students with either college credit, preferential placement, or both at a variety of colleges across the nation.

Telepresence Course Offerings

If you are interested in any class on this list put down “Telepresence“ - then name of course.

Grades: 11-12
Pre-requisites: Must be on track to graduate with your grade. Counselor and Admin approval.
----Note- if we offer the course in our school, you will take that course here first----
Credits vary by course. Fitting a TelePresence course into your schedule will be difficult, and you will have to make hard choices about which electives you’d like. Once you sign up for a class, you are locked in. This is a virtual course that you will be connected to your teacher and class by a program similar to skype. Your teacher will likely be from Chisholm, Virginia, MIB, Silver Bay, or Two Harbors.

Offerings may include: (**College credit courses may have additional requirements)**

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<th>Criminal Justice and Business Law</th>
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<td><strong>HIST 1110 3 credits (European Hist. To 1815)</strong></td>
<td><strong>HIST 2110 3 credits (Minnesota History)</strong></td>
<td><strong>Calculus CEP</strong></td>
<td><strong>Pre-Calculus (CITS)</strong></td>
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Student Assistant  

Peer Tutor  
Grades: 11-12 (Elective, Pass/Fail Grade)  
Prerequisite: None, Teacher approval required  
Students will assist middle school and high school students with homework and other academic needs. Assist with or lead enrichment activities; serve as an adult role-model for students in an ongoing one-on-one capacity. This position is expected to support the creation of "community" through development of positive, cooperative relationships with students, school staff and other volunteers. Serve as a consistent mentor for an assigned student throughout the course of one school year in group mentoring or one-to-one planned activities. Students will be assigned to specific teachers, who will assign them students to work with. This internship should be taken if a student is interested in going into education as a career.

Elementary Internship  
Grades: 11-12 (Elective)  
Prerequisite: None, Teacher approval required  
Students will assist elementary teachers in working with students during their assigned class period daily. This position is important as one who supports the classroom teacher, assists in working with students, and will even help teach lessons to elementary students. Daily and timely attendance is required. This internship should be taken if a student is interested in going into education as a career.

Teacher’s Aide  
Grades: 11-12 (Elective, Pass/Fail Grade)  
Prerequisite: None, Teacher approval required  
The job of a Teacher’s Aide (TA) job is generally determined by the supervising teacher. Common tasks include assisting students with their work, and taking attendance. Responsibilities may include, but not limited to, working "one-on-one" with special needs students, shadow students and assist students with classwork, organization, and behavior management. TA’s may also be assigned various tasks by their instructor to help aide with other aspects in the classroom.

Independent Study  
Grades: 11-12 (Elective, Pass/Fail Grade)  
Independent study contracts between teachers and juniors or seniors are permitted. Applications are available in the Guidance Office. The objective, resources and evaluation procedures are to be listed, with all required signatures, and turned before the Add/Drop deadline. Independent study contracts must be approved by administration and are limited to one per semester.

***All Independent Study options MUST BE APPROVED No later than May 1st, 2019***

Minnesota Common Course Catalogue

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