



Von Steuben Metropolitan Science Center

2019

Course Catalog

It should be recognized that all information in the catalog are subject to revision, and, from time to time, changes are made in course offerings, academic rules and the plan of instruction. Information contained herein supersedes that previously published and is subject to change.

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Course availability and/or course requests is subject to change. Changes may occur at any time.

Von Steuben Vision

Prepare every student comprehensively for their next enriching educational opportunity.

Von Steuben Mission

We will develop the most supportive learning community for the students of Friedrich W. Von Steuben Metropolitan Science Center because everyone deserves the opportunity to realize their potential.

Principles

Inclusive

Collaborative

Positive

Accountable

Manifesto

Together, we, the students of Von Steuben Metropolitan Science Center, teachers and administrators, parents, families and friends, are a community of life-long learners who believe education is vital to our collective success.

Together, we are proud to call ourselves Panthers.

Together, we recognize and celebrate past, present, and future accomplishments.

Together, we listen to every voice, respecting all perspectives. Here meaningful lessons are learned daily, in classrooms, on playing fields, wherever, whenever there is an opportunity to learn, grow, and develop our whole potential.

Together, we accept our differences as strengths. Humility keeps our egos in check, as we ask better questions, ones that enable new understanding and, ultimately, wisdom that benefits all.

Together, we have the courage to fail and the confidence to try again, Though the future is uncertain, it excites us. We own our individual missteps, taking responsibility to discover another way forward.

Together, we face our dreams and the challenges they pose without hesitation, with positive thoughts in our minds, and smiles on our faces.

Together, we are Von strong.

TABLE OF CONTENTS

English Department.....	4
Math Department.....	7
Science Department.....	9
PLTW Department.....	11
Social Science Department.....	12
World Language Department.....	15
Computer Science Department.....	18
Fine Arts Department.....	19
Physical Education Department.....	21
City Wide Programs.....	22

ENGLISH DEPARTMENT

REQUIREMENT: FOUR YEARS REQUIRED

Grade 9	Grade 10	Grade 11	Grade 12
English I R	English II R	English III R	English IV R
English I H	English II H	English III H	English IV H
English I Scholars	English II Scholars	AP English Language & Culture	AP English Literature & Culture
			Dual Credit English 101
	Electives	Electives	Electives
	Debate H	Academic Decathlon H	Academic Decathlon II H
		Debate H	Debate H
		Journalism: Yearbook H	Journalism: Yearbook H
		OneGoal R	Journalism: Yearbook II H
			OneGoal II R
			Senior Seminar R

Student Course Placement:

Teacher Recommendation

AP→AP = Grade of C or above

H→H = Grade of C or above; H→AP = B or above

R→H = Grade of B or above; R →AP = Grade of A

Note: the counselor will determine final course approval

184101R	REG	ENGLISH I	1 CREDIT
184101H	HON	ENGLISH I	1 CREDIT
184101H	SCHOLARS	ENGLISH I	1 CREDIT

This course is a study of literary genres. Students will read novels, short stories, drama, poetry and nonfiction. The departmental sequential writing program covers narrative, expository, descriptive and persuasive essays. In addition, fundamental research skills will be developed. The honors program assumes the student is above average in reading ability, desires more challenging literature and can move faster through developmental writing skills.

184201R	REG	ENGLISH II	1 CREDIT
184201H	HON	ENGLISH II	1 CREDIT
184201H	SCHOLARS	ENGLISH II	1 CREDIT

This course is a survey of American Literature from the colonial period to the modern age. The writing skills developed in English I will be expanded continuing along the departmental sequential writing program. The honors program assumes the student can read and write more in depth on selected authors from the extensive supplemental paperback library. Independent library research will be expected.

184301R	REG	ENGLISH III	1 CREDIT
184301H	HON	ENGLISH III	1 CREDIT

This course is a survey of British Literature from Anglo-Saxon times to the present. Vocabulary and writing skills developed in the first two years will be expanded continuing along the departmental sequential writing program. Preparation for the English section of the SAT examination will be included. For honors students, independent study and library research will be expected.

Prerequisite: 11th grade standing

184401R	REG	ENGLISH IV	1 CREDIT
184401H	HON	ENGLISH IV	1 CREDIT

This course is designed to expose students to literary achievements of modern world literature. The writing skills developed in English I, II and III will be expanded in accordance with the departmental sequential writing program. This course will include experiences with the literatures and arts of Europe, Africa, the Middle East and the Far East. Students in Honors English IV will have additional reading and writing assignments.

Prerequisite: 12th grade standing

Note: Students in Honors English III who earn a grade of C or better, 2.5 gpa, and achieve an SAT English score of 540 or higher may be placed in Dual Credit English 101 without notice

All AP students are required to take the AP exam in May. **There may be up to a \$100 fee for each AP exam.** Students who register or drop an AP course after the November 15, 2019 test registration deadline will incur an additional \$40 fee by the College Board regardless of fee waiver eligibility. *Students who qualify for free or reduced lunch based on the submitted family income form, may qualify for an ISBE subsidy.*

175101A ADV ADVANCED PLACEMENT ENGLISH: LANGUAGE AND COMPOSITION 1 CREDIT

Students in A.P. English Language and Composition will read and analyze a wide range of non-fiction prose, from many historical contexts, with an emphasis on developing an awareness of how language and rhetoric work. Course readings feature expository, analytical, personal, and argumentative texts. Through close reading and frequent writing, students will develop a strong awareness of author purpose and audience, as well as the resources of language: diction, imagery, syntax and tone. Students are required to take the Advanced Placement Exam.

Prerequisite: 11th grade standing, and no more than five absences in any semester. Requirement for Scholar student.

170101A ADV ADVANCED PLACEMENT ENGLISH: LITERATURE AND COMPOSITION 1 CREDIT

This is a college level course that engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the way writers use language to provide both meaning and pleasure for their readers. Students are required to take the Advanced Placement Exam.

Prerequisite: 12th grade standing, and no more than five absences in any semester. Requirement for Scholar student.

184511A ADV DUAL CREDIT: ENGLISH 101 1 CREDIT

Development of critical and analytical skills in writing and reading of expository prose. Writing assignments, as appropriate to the discipline, are part of the course. Students who successfully complete the course with a grade of C or better will earn 3 college credits through the City Colleges of Chicago.

Prerequisite: 12th grade standing, open to Non-Scholar Students Student must have a 2.5 GPA, at least a C in previous Dual Credit/Dual Enrollment Course and SAT English Score of a 540 or Read to Write exam score of 6 and no more than five absences in any semester.

ENGLISH ELECTIVES

155101H HON ACADEMIC DECATHLON 1 CREDIT

155201H HON ACADEMIC DECATHLON II 1 CREDIT

Academic Decathlon is an honors course for rising juniors and seniors selected to compete on Von Steuben’s Academic Decathlon team. Enrollment in the course is limited to students selected after try-outs consisting of mathematics and reading tests, a prepared speech, a timed essay, and an interview. The curriculum from the United States Academic Decathlon includes art, economics, interviewing, literature, mathematics, music, science, social studies, speech, and writing. Over the summer, team members study course materials that are organized around a theme, such as “The Age of Empire” or “World War I and its Aftermath,” and focus on that era in all subjects. Course materials, like those given to all teams in the nation, include a novel and study guides in art history, music theory, literary history, social studies, scientific concepts and history, micro- and macro-economics, and topics in mathematics. In the fall, members compete in learning games and scrimmages on the seven “objective tests” and practice speeches, interviewing, and writing timed essays (“the subjective”). City and State competitions start in late January and run through March; during Spring Semester graduating seniors help rising seniors study the subjects that have a large amount of content that is not tied to the year’s theme and does not change from year to year. These include economics, mathematics, speech, writing, and music and art theory.

Prerequisite Academic Decathlon II: 11th or 12th grade standing Successful completion of Academic Decathlon I and by Recommendation Only

ENGLISH ELECTIVES

<u>131801H</u>	<u>HON</u>	<u>DEBATE</u>	<u>1 CREDIT</u>
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Debate is an honors course for the critical/deep thinkers and passionate communicators that are looking to establish and develop their voice. In this student-centered course, students complete independent and collaborative research projects. They use these as the basis for their arguments and evidence to be debated at local and national policy debate tournaments throughout the year. This class is especially relevant for students that want to enhance their research, writing, and speaking skills and/or pursue a career in law, politics, or public service. Explicit instruction in the theoretical, philosophical, and practical aspects of argumentation and debate are regularly emphasized and evaluated. This honors course requires a staff recommendation and a signed commitment to attending city, state, and/or national tournaments outside of class.

Prerequisite: Must be taken concurrently with an English course, recommendation required from Mr. Howell (or another Von teacher).

<u>156101H</u>	<u>HON</u>	<u>JOURNALISM: YEARBOOK</u>	<u>1 CREDIT</u>
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<u>156201H</u>	<u>HON</u>	<u>JOURNALISM: YEARBOOK II</u>	<u>1 CREDIT</u>
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Students in this course publish the school yearbook, Visions, focusing on elements of writing, design and photography. Students will cover events outside of the classroom such as dances, sporting events, club practices, etc. Journalism II and III will build on fundamental skills learned in Journalism I

Prerequisite: Must be taken concurrently with an English course, open to 11th and 12 grade students, by recommendation from an English teacher.

<u>892101R</u>	<u>REG</u>	<u>ONEGOAL</u>	<u>1 CREDIT</u>
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The One Goal Year One (Y1) course curriculum provides juniors in high school the opportunities and resources to explore college as a realistic, attainable post-high school option. The daily 51-minute lessons place a strong emphasis on personal and collective goal setting with an intensive college awareness curriculum, along with SAT preparation, to maximize potential and open up the doors of possibility for students' futures. During Y1, students demonstrate their commitment to the three-year One Goal Fellowship. As individuals and as a cohort, the students develop accountability with respect to their goals while embodying Five Leadership Principles: Professionalism, Ambition, Integrity, Resilience and Resourcefulness.

Prerequisite: 11th grade standing, completion of program application and interview with a panel

<u>892201R</u>	<u>REG</u>	<u>ONEGOAL II</u>	<u>1 CREDIT</u>
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The One Goal Year Two (Y2) curriculum provides Y2 Fellows with the tools, guidance, and resources necessary to successfully complete high school, apply to and enroll in college for the fall, secure the proper financial aid, and become 100% 'college-ready' in advance of fellows' first day on their college campuses. The Y2 college process is called AAA&E ("triple A and E"), with each letter representing one of four core components of the process: Application, Admission, Aid, and Enrollment. AAA&E sessions will be paired with College 201 sessions; fellows' will spend time completing assignments that will prepare them for academic and social life the first year of college and beyond.

Prerequisite: 12th grade standing and completion of One Goal Y1

<u>013301R</u>	<u>REG</u>	<u>SENIOR SEMINAR</u>	<u>1 CREDIT</u>
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The Senior Seminar course focuses on postsecondary education. Students will explore, plan, and prepare for life after high school. Planning and applying to colleges and post-secondary schools will be the primary goal of the first semester. Students will participate in every phase of college preparation and planning—researching colleges, writing personal statements, submitting applications and financial aid forms, applying for scholarships, exploring careers, and other post-secondary options. During the second semester, students will strengthen and develop post-secondary life skills with units and activities regarding campus life, college issues, financial education, and transitioning to college.

Prerequisite: Must be taken concurrently with English IV or AP Literature and standing 12th grade standing

MATHEMATICS DEPARTMENT

REQUIREMENT: THREE YEARS REQUIRED FOUR YEARS RECOMMENDED

Grade 9	Grade 10	Grade 11	Grade 12
Algebra I R	Geometry R	Advanced Algebra-Trigonometry R	ELECTIVES
Algebra I H	Geometry H	Advanced Algebra-Trigonometry H	AP Calculus AB
Algebra Scholars	Geometry Scholars	Dual Credit Math 140	AP Statistics
Geometry H	Advanced Algebra-Trigonometry H	Dual Credit Math 143	College Algebra R
			Dual Credit Math 140
			Dual Credit Math 143
			Financial Algebra

Student Course Placement

AP→AP = Grade of C or above

H→H = Grade of C or above

H→AP = Grade of B or above

H→AP = Grade of C and recommendation from math instructor

R→H = Grade of A and recommendation from math instructor

R →AP = recommendation from math instructor

Note: the counselor will determine final course approval

413301R	REG	ALGEBRA I	1 CREDIT
413301H	HON	ALGEBRA I	1 CREDIT
413301H	SCHOLARS	ALGEBRA I	1 CREDIT

This course is the first in a sequence of three classes required for graduation. Topics covered will include simplifying expressions, solving equations and inequalities as well as graphing linear and quadratic equations. Solutions of systems of equations will be studied with applications. The study of polynomials will include laws of exponents, scientific notation, factoring, and the quadratic formula.

434101R	REG	GEOMETRY	1 CREDIT
434101H	HON	GEOMETRY	1 CREDIT
434101H	SCHOLARS	GEOMETRY	1 CREDIT

This course will develop the student’s ability to think creatively and critically in both mathematical and non-mathematical situations. Proofs and step-by-step analysis of problem solving are learned.

Prerequisite: See above for Regular – Honors level placement

435101R	REG	ADVANCED ALGEBRA - TRIGONOMETRY	1 CREDIT
435101H	HON	ADVANCED ALGEBRA - TRIGONOMETRY	1 CREDIT

This course has algebra and geometry as prerequisites. It is the final required course in a three course sequence. It is designed to develop the advanced algebraic and geometric concepts and processes that can be used to solve a variety of real-world and mathematical problems. Exponential and logarithmic functions are studied in addition to trigonometric functions.

Prerequisite: See above for Regular – Honors level placement

468311A	ADV	DUAL CREDIT ADVANCED MATH 140 (COLLEGE ALGEBRA)	1 CREDIT
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College Algebra emphasizes the notion of a function as a unifying concept. The following families of functions and their characteristics are examined within this course: polynomial, rational, exponential and logarithmic functions. Additional topics will include solving inequalities and systems of non-linear equations. Writing assignments, as appropriate to the discipline, are part of the course. Applications involving problem-solving skills will be emphasized throughout the course. As part of the City Colleges of Chicago, successful completion of course with a grade of C or higher will grant the student 4 college credits.

Prerequisite: Passed Hon or Reg. Advanced Algebra with a grade of C or higher, 2.5 gpa 11th or 12th grade standing, and SAT Math Score of 530+ or ALEKS score of 46+ and no more than five absences in any semester. Students who meet the prerequisites maybe placed in course without notice.

SCIENCE DEPARTMENT

REQUIREMENT: THREE YEARS REQUIRED FOUR YEARS RECOMMENDED

Grade 9	Grade 10	Grade 11	Grade 12
Biology R	Chemistry R	Physics H	
Biology H	Chemistry H	Physics R	
Biology Scholars	Chemistry Scholars		
		Electives	Electives
		Anatomy & Physiology R	Anatomy & Physiology R
		Anatomy & Physiology H	Anatomy & Physiology H
		AP Biology W/Lab 10x	AP Biology W/Lab 10x
		AP Chemistry W/Lab 10x	AP Chemistry W/Lab 10x
		AP Environmental Science W/Lab 10 x	AP Environmental Science W/Lab 10x
		Biotechnology H	AP Physics C W/Lab 10x
		Environmental Science R	Biotechnology H
			Environmental Science R

Student Course Placement

Teacher Recommendation

AP→AP = Grade of C or above

H→H = Grade of C or above; H→AP = B or above

R→H = Grade of B or above; R →AP = Grade of A

Note: the counselor will determine final course approval

332101R	REG	BIOLOGY	1 CREDIT
332101H	HON	BIOLOGY	1 CREDIT
332101H	SCHOLARS	BIOLOGY	1 CREDIT

This course is the study of plants and animals and their life functions. Topics include molecular chemistry, cytology, evolution, structure and function, genetics and ecology. This course includes laboratory experience. Honors/Scholars level students are required to complete a science fair project.

334101R	REG	CHEMISTRY	1 CREDIT
334101H	HON	CHEMISTRY	1 CREDIT
334101H	SCHOLARS	CHEMISTRY	1 CREDIT

This course is the study of atomic theory, gas laws, liquid and solid structure, thermo chemistry, kinetics, enthalpy, acid-base chemistry and pH, ionic equilibrium, oxidation-reduction, the mole concept, nuclear chemistry and elementary organic chemistry. Students in the honors program will have increased mathematical applications in the treatment of laboratory data. Honors/Scholars level students are required to complete a science fair project.

Prerequisite: Algebra and Biology

333101R	REG	PHYSICS	1 CREDIT
333101H	HON	PHYSICS	1 CREDIT

This course includes investigations of the areas of mechanics, energy and its conservation, astronomy, relativity, sound, light, electricity, magnetism, atomic theory and the history and philosophy of science. This course is structured around the application of principles through laboratory experiences. Honors physics covers the same topics but goes into greater depth and involves more mathematics. Honors level students are required to complete a science fair project.

Prerequisite (Honors): Grade of B or better in Algebra, Geometry and Chemistry for Honors level

SCIENCE ELECTIVES

391101R	REG	ANATOMY & PHYSIOLOGY	1 CREDIT
391101H	HON	ANATOMY & PHYSIOLOGY	1 CREDIT

This course is designed for the student with a strong background and interest in Biology and Medical Sciences. A detailed study of the human body, gross anatomy, and physiology provides the framework for this class. Students are expected to complete dissections, research and engage in online investigations in this course. Both independent and collaborative anatomy/physiology projects will be expected for the honors level credit.

Prerequisite: 11th or 12th grade standing

339101R	REG	ENVIRONMENTAL SCIENCE	1 CREDIT
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Environmental Science is a study of the dynamic interactions of matter and energy on the planet Earth. Students will examine environmental issues using the scientific method. Study of ecosystems, water, land and air resources, pollution, and populations are included. Honors Environmental Science covers the same topics but goes into greater depth. Honors level students are required to complete a science fair project.

Prerequisite: 11th or 12th grade standing

395101H	HON	BIOTECHNOLOGY	1 CREDIT
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The mission of the Biotechnology course is to prepare students to be competitive for college and the workplace by preparing them for an ever-changing cultural and technological world built on scientific thinking, teaching, and learning. Through hands-on lab activities, students will gain experience identifying and studying real-world problems in biotechnology such as DNA extraction and sequencing, bio-engineering to study biofuels and genetically modified foods, medical applications of bio-tech, and ethics. Using real-world equipment and materials students will learn and practice biotechnology applications that improve the quality of human life. The following are some topics that will be covered in the course: genetically modified organisms, bacterial transformation, viruses, medical applications of biotech, central dogma of biology, and cell communication. This course complements AP Chemistry and AP Biology.

Prerequisite: 11th and 12th grade standing

All AP students are required to take the AP exam in May. **There may be up to a \$100 fee for each AP exam.** Students who register or drop an AP course after the November 15, 2019 test registration deadline will incur an additional \$40 fee by the College Board regardless of fee waiver eligibility. *Students who qualify for free or reduced lunch based on the submitted family income form, may qualify for an ISBE subsidy.*

372101A	ADV	ADVANCED PLACEMENT BIOLOGY	1 CREDIT
372201A	ADV	ADVANCED PLACEMENT BIOLOGY LAB	1 CREDIT

A college level course in the biological sciences that consists of lecture/discussions and extensive laboratory work. Major topics will include molecules and cells, heredity and evolution, and organisms and populations. This is a double period course. Students are required to take the Advanced Placement Exam.

Prerequisite: 11th or 12th grade standing, minimum grade of C or high in previous honors science courses and no more than five absences in any semester. Final placement will be determined at the end of the school year.

374101A	ADV	ADVANCED PLACEMENT CHEMISTRY	1 CREDIT
374201A	ADV	ADVANCED PLACEMENT CHEMISTRY LAB	1 CREDIT

This college level chemistry course is designed to enhance problem-solving skills, develop the ability to express ideas clearly and logically, improve laboratory skills and give a firm mathematical foundation in the science of chemistry. Topics will include stoichiometry, gas laws, acid-base, energy, atomic theory, solution equilibria and reaction kinetics. This is a double period course. Students are required to take the Advanced Placement Exam.

Prerequisite: 11th or 12th grade standing, minimum grade of C or high in previous honors science courses and no more than five absences in any semester. Final placement will be determined at the end of the school year.

376101A	ADV	ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE	1 CREDIT
376201A	ADV	ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE LAB	1 CREDIT

This college level course is designed to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. This is a double period course. Students are required to take the Advanced Placement Exam.

Prerequisite: 11th or 12th grade standing, minimum grade of C or high in previous honors science courses and no more than five absences in any semester. Final placement will be determined at the end of the school year.

373301A	ADV	ADVANCED PLACEMENT PHYSICS C	1 CREDIT
373201A	ADV	ADVANCED PLACEMENT PHYSICS C LAB	1 CREDIT

The Physics C: Mechanics is equivalent to a one-semester, calculus based, and college-level physics course, especially appropriate for students planning to specialize or major in physical science or engineering. The course explores topics such as kinematics; Newton’s laws of motion; work, energy and power; systems of particles and linear momentum; circular motion and rotation; and oscillations and gravitation. Introductory differential and integral calculus is used throughout the course. This is a double period course. Students are required to take the Advanced Placement Exam.

Prerequisite: 11th or 12th grade standing, minimum grade of C or high in previous honors science courses and no more than five absences in any semester. Final placement will be determined at the end of the school year.

PROJECT LEAD THE WAY - PLTW

ELECTIVES

Grade 9	Grade 10	Grade 11	Grade 12
Into to Engineering H	Intro to Engineering H	Principles of Engineering H	Digital Electronic Engineering H
	Principles of Engineering H	Digital Electronic Engineering H	Engineering Design & Development H

699131H	HON	PROJECT LEAD THE WAY: INTRODUCTION TO ENGINEERING DESIGN (IED)	1 CREDIT
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The major focus of IED is the engineering design process and its application to the real world. Through hands-on projects, students apply engineering standards and document their work. Students use industry standard 3D modeling software to help them design solutions to solve proposed problems, document their work using an engineer’s notebook, and communicate solutions to peers and members of the professional community. Like engineers in the real world, students will synthesize a variety of foundational skills learned in their previous science, math and English courses. Students will need to purchase a quad ruled composition notebook.

Prerequisites: Student must have a strong desire in team work and a solid foundation in mathematical foundation.

699231H	HON	PROJECT LEAD THE WAY: PRINCIPLES OF ENGINEERING (POE)	1 CREDIT
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This survey course exposes students to major concepts they will encounter in a post-secondary engineering course of study. Topics include mechanics, energy, statics, materials, and kinematics. They develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges, document their work and communicate solutions. Students will need to purchase a quad ruled composition notebook.

Prerequisites: Passed PLTW: Introduction to Engineering Design with a C or higher

699331H	HON	PROJECT LEAD THE WAY: DIGITAL ELECTRONICS (DE)	1 CREDIT
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From smartphones to appliances, digital circuits are all around us. This course provides a foundation for students who are interested in electrical engineering, electronics, or circuit design. Students study, analyze, build, and design circuits. They utilize circuit design tools used currently in industry. Topics include logic gates, integrated circuits, programmable logic devices and circuit design software (MultiSim). Students will need to purchase a quad ruled composition notebook.

Prerequisites: Passed both PLTW: Introduction to Engineering Design and PLTW: Principles of Engineering with a C or higher.

699531H	HON	PROJECT LEAD THE WAY: ENGINEERING DESIGN AND DEVELOPMENT (EDD)	1 CREDIT
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The knowledge and skills students acquire throughout the PLTW Engineering courses are combined and expanded on in this capstone course. Students will be required to identify an issue and create a solution through research and the design process. This yearlong project will then be presented to a panel of engineers and peers, emphasizing the professional goals established throughout the other three courses. . Students will need to purchase a quad ruled composition notebook.

Prerequisites: Passed both PLTW: Introduction to Engineering Design and PLTW: Principles of Engineering with a C or higher

Social Science Department

REQUIREMENT: THREE YEARS REQUIRED FOUR YEARS RECOMMENDED

Grade 9	Grade 10	Grade 11	Grade 12 Electives
AP Human Geography	AP World History	A.P. U.S. History	ELECTIVES
Scholars World Studies	Scholars U.S. History	Civics /Contemporary American History H Civics /Economics H Civics / History of Chicago H	AP Government Dual Credit Humanities Latin American History R
World Studies R	U.S. History R	Scholars U.S. History H	Sociology R
World Studies H	U.S. History H	ELECTIVE	
		Latin American History R	
		Sociology R	

Student Course Placement

Teacher Recommendation

AP→AP = Grade of C or above

H→H = Grade of C or above; H→AP = B or above

R→H = Grade of B or above; R →AP = Grade of A

Note: the counselor will determine final course approval

231101R	REG	WORLD STUDIES	1 CREDIT
231101H	HON	WORLD STUDIES	1 CREDIT
231101H	SCHOLARS	WORLD STUDIES	1 CREDIT

World Studies is a course that allows for integration of the five Social Science State Goals: Government, Economics, History, Geography, and Social Systems. The goal of the course is to engage students in a global approach of historical inquiry in order to master content of the five state goals. This survey course is arranged around 14 topics, beginning with the rise of civilization and ending with the world in the 1990’s. Non-European as well as European civilizations will be discussed. Core documents and readings are an integral part of the curriculum. Students will be required to do research projects.

236101R	REG	U.S. HISTORY	1 CREDIT
236101H	HON	U.S. HISTORY	1 CREDIT
236101H	SCHOLARS	SCHOLARS U.S. HISTORY	1 CREDIT

This survey course presents an overview of the political, economic, social, and cultural development of the nation from the American Revolution to present times. It contains a government unit designed to prepare students for the U.S. and Illinois Constitution test. Students are required to complete a project for the Chicago Metropolitan History Fair. Independent library research will be expected.

238101H	HON	CIVICS/CONTEMPORARY AMERICAN HISTORY	1 CREDIT
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This Civics component of the course will be offered to upperclassmen as part of new state legislation that has made Civics a requirement to graduate from high school. This course will be grounded in the Participate Civics course curriculum and will feature: strong, timely, and relatable content for instruction in government, politics, and civic participation. Students will be required to complete a service-learning component that will allow for firsthand experience with democratic and civic participation. The Contemporary American History component will explore the account of America in the mid-20th through 21st centuries. An emphasis on patterns of international behavior with foreign nations, as well as an examination of events and their impact on internal politics will be provided throughout. The goals of this class are to provide students with a grasp of how the American nation developed out of isolation into a major player on the world stage.

This course contains curriculum that fulfills the CPS classroom-integrated Service Learning project and Consumer Education requirement.

239101H	HON	CIVICS/ECONOMICS	1 CREDIT
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This Civics component of the course will be offered to upperclassmen as part of new state legislation that has made Civics a requirement to graduate from high school. This course will be grounded in the Participate Civics course curriculum and will feature: strong, timely, and relatable content for instruction in government, politics, and civic participation. Students will be required to complete a service-learning component that will allow for firsthand experience with democratic and civic participation. The Economics component is designed to provide students with a better understanding of our economic system. Utilizing economic theories, students investigate the causes of economic problems and determine the implications of proposed solutions. The goal is to help students acquire skills necessary to function effectively and efficiently as consumers, entrepreneurs or workers in today’s society.

This course contains curriculum that fulfills the CPS classroom-integrated Service Learning project and Consumer Education requirement.

263101H HON CIVICS/HISTORY OF CHICAGO 1 CREDIT

This Civics component of the course will be offered to upperclassmen as part of new state legislation that has made Civics a requirement to graduate from high school. This course will be grounded in the Participate Civics course curriculum and will feature: strong, timely, and relatable content for instruction in government, politics, and civic participation. Students will be required to complete a service-learning component that will allow for firsthand experience with democratic and civic participation. The History of Chicago component will explore the past and present of Chicago in this interactive course. The course will include an overview of Chicago's important events and eras, but the majority of the course will be centered on project-based investigations. Students will engage in archival research and will conduct oral history interviews based on their own research questions. They will choose topics important to them, their families, and their communities. This course offers the opportunity to know what came before and to engage actively in the history made around us every day.

This course contains curriculum that fulfills the CPS classroom-integrated Service Learning project and Consumer Education requirement.

SOCIAL SCIENCE ELECTIVES

Juniors and seniors must take at least one course from the list below to satisfy CPS three year social science requirements.

749321A ADV DUAL CREDIT HUMANITIES 201 1 CREDIT

Humanities are those areas of thought and creation whose subject is the human experience. They include the study of philosophy, history, religion and fine arts. This course intends to develop culturally aware students who will be well prepared for college-level material in the Liberal Arts and Sciences. The course will consist of a theoretical/philosophical foundation in the Greco-Roman tradition. By carefully examining several distinct periods, this course aims to show the evolution and metamorphosis in the defining of the individual and his/her place in the world. Students will be expected to participate and incorporate the valuable resources available to them that include the Chicago Humanities Festival. As part of the City Colleges of Chicago successful completion of course with a grade of C or better will grant the student 3 college credits.

This course contains curriculum that fulfills the CPS Consumer Education requirement.

Prerequisite: 12th grade standing and no more than five absences in any semester, minimum of a 2.5 gpa, previous Dual Credit/Dual Enrollment Course grades of C or higher and SAT English Score of a 540 or Read to Write exam score of 6

291101R REG LATIN AMERICAN HISTORY 1 CREDIT

This course will utilize case studies to help students explore and challenge traditional narratives about Latin America. Topics as diverse as Pre-Columbian cultures, race and identity, colonization, migration and globalization will be examined through an interdisciplinary lens. Students will be encouraged to learn more about their own cultural backgrounds, experiences and beliefs as they respond to a wide variety of texts that will generate further questioning about the role of Latin America in the historical and modern world.

This course contains curriculum that fulfills the CPS Consumer Education requirement.

Prerequisite: 11th, 12th grade standing

299101R REG SOCIOLOGY 1 CREDIT

Why do people act so strangely? This course is concerned with the relationship between individuals and the social structures and groups to which they belong. In other words, sociologists try to find out why people in groups behave the way they do. The discipline of sociology assumes that external social forces influence and shape individual behavior. Students will identify, understand, and explain what those forces are and how they shape behavior within social groups. In the end, the concepts covered in this course will help us make sense of many global issues ranging from war and peace to crime and sexuality to poverty and the environment. It will enhance our understanding of the complexity of diverse social conditions as well as our appreciation for the common threads that nevertheless bind all humans together.

Prerequisite: 11th or 12th grade standing

This course contains curriculum that fulfills the CPS Consumer Education requirement.

World Languages Department

REQUIREMENT: TWO YEARS OF THE SAME LANGUAGE REQUIRED FOUR YEARS RECOMMENDED

A student who selects a foreign language for his/her freshmen year is committing to taking the same language for three consecutive years with a grade of C or higher.

Grade 9	Grade 10	Grade 11	Grade 12
Chinese I H	Chinese I H	Chinese II H	Chinese III H
	Chinese II H	Chinese III H	AP Chinese Language & Culture
French I H	French I R	French II R	AP French Language & Culture
French I R	French I H	French II H	French III R
	French II R	French III R	French III H
	French II H	French III H	
Spanish I R	Spanish II R	AP Spanish Language & Culture	AP Chinese Language & Culture
Spanish I H	Spanish II H	Spanish II R	AP Spanish Literature & Culture
Spanish for Speakers I R	Spanish for Speakers I R	Spanish II H	Dual Credit Spanish 101
Spanish for Speakers I H	Spanish for Speakers I H	Spanish II R	Dual Credit Spanish 102
	Spanish for Speakers II R	Spanish III H	Spanish III H
	Spanish for Speakers II H	Spanish for Speakers II R	Spanish for Speakers III H
	Spanish I R	Spanish for Speakers II H	
	Spanish I H	Spanish for Speakers III H	

Student Course Placement

Teacher Recommendation

AP→AP = Grade of C or above

H→H = Grade of C or above; H→AP = B or above

R→H = Grade of B or above; R →AP = Grade of A

Note: the counselor will determine final course approval

540101H HON CHINESE I 1 CREDIT

In Chinese I, students will learn to understand, speak, read, and write basic Mandarin Chinese with an emphasis on communicative skills. Students will be able to take part in conversations about family, friends, nationalities, hobbies, dates, time, weather, and directions. Writing and pronunciation will begin with the pinyin phonetic system. Students will also learn to write basic Chinese characters. By the end of the course, they will be able to read 300 frequently used characters. Language study will include exploration of the history and culture of China, with opportunities for special activities outside of the classroom.

Note: Course may not be taken as an elective.

540201H HON CHINESE II 1 CREDIT

This course welcomes those who have passed Chinese I to build on vocabulary, communication skills, and cultural understanding. Students will be able to take part in conversations about travel, jobs, routines, and schedules, as well as conduct phone calls, discuss past experiences, and give speeches. Students will build on practical writing skills and will increase their reading vocabulary to at least 700 frequently used characters.

540301H HON CHINESE III 1 CREDIT

In this course, students will review and expand on vocabulary and structures learned in previous Chinese classes. They will talk about personal interests, describe things in more detail, and relate experiences. Emphasis will be placed on real life communication and comprehending real Chinese resources like letters, comics, movies, web pages, advertisements, and short stories. In addition, students will continue to learn about and experience different aspects of Chinese culture.

579401A ADV AP CHINESE LANGUAGE AND CULTURE 1 CREDIT

This is a college level course designed for students already designated as intermediate high learners. AP Chinese students will advance their skills in listening, speaking, and writing and prepare for and take the AP Chinese test. Emphasis is not only on preparation for the exam, but also on comprehension and interaction with authentic material and both social and academic situations. Students will also acquire a deeper knowledge of many aspects of Chinese history and culture. Students are required to take the Advanced Placement Exam

Prerequisite: Chinese III and no more than five absences in any semester.

552101R	REG	FRENCH I	1 CREDIT
552101H	HON	FRENCH I	1 CREDIT

This class welcomes any student who is interested in learning French language and culture. Through listening, speaking, reading and writing activities, you will become familiar with vocabulary necessary to deal with everyday situations in French. Students will explore cultural aspects of many different French-speaking areas while comparing them to the many different cultures of Von Steuben. Students will be able to practice activities on the text publisher’s website. Students will view classic French films, videoconference with different French speakers around the world, taste some classic French cuisine, and participate in field trips that enhance the learning of French.

Note: Course may not be taken as an elective.

552201R	REG	FRENCH II	1 CREDIT
552201H	HON	FRENCH II	1 CREDIT

In the second year of French you will review and build on the vocabulary themes and language structures covered in French I. New themes include the house, parts of the body, health, nature, and films. While learning new vocabulary you will also explore the cultures of French speaking areas in Europe, Canada, Africa, and the Caribbean. Various listening, speaking, reading and writing activities will help you function in French in authentic language use situations. Videoconferencing, internet activities, films, and field trips will enhance your classroom learning experience.

552301R	REG	FRENCH III	1 CREDIT
552301H	HON	FRENCH III	1 CREDIT

In this third year course students will review and build on vocabulary and structures covered in French I and II. Students will be able to read short stories and create fun dialogues. They will read excerpts from French-speaking writers, watch some classic French films, and continue learning about the various French-speaking cultures all over the world. Video conferencing, internet activities, and field trips will provide students with opportunities to improve their French outside of the classroom.

Prerequisite: Honors level requires recommendation of French instructor

All AP students are required to take the AP exam in May. **There may be up to a \$100 fee for each AP exam.** Students who register or drop an AP course after the November 15, 2019 test registration deadline will incur an additional \$40 fee by the College Board regardless of fee waiver eligibility. *Students who qualify for free or reduced lunch based on the submitted family income form, may qualify for an ISBE subsidy.*

572101A	ADV	ADVANCED PLACEMENT FRENCH LANGUAGE & CULTURE	1 CREDIT
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This Advanced Placement program encompasses all the elements of proper grammar, creative writing, reading comprehension, speaking and listening skills. Students are required to take the Advanced Placement Exam

Prerequisite: French III and recommendation of French instructor, and no more than five absences in any semester.

558101R	REG	SPANISH I	1 CREDIT
558101H	HON	SPANISH I	1 CREDIT

This course is designed to introduce non-native Spanish-speaking students to basic functional proficiency in Spanish with an emphasis on vocabulary development. Students will learn basic conversational topics, such as greetings and farewells, making descriptions of yourself and others, finding out information, talking about one’s family, ordering food, identifying personal belongings, identifying public buildings and places, making plans, making purchases, etc. The course enhances four skills: listening, speaking, reading and writing. The emphasis is on student-student and student-teacher interactions to stimulate real-world situations.

Note: Course may not be taken as an elective.

558201R	REG	SPANISH II	1 CREDIT
558201H	HON	SPANISH II	1 CREDIT

This intermediate course is designed to introduce students to more advanced grammar structures in Spanish with an emphasis on sentence structure and verb tenses. It continues to enhance and further develop the four basic skills: listening, speaking, reading and writing. Students will be able to speak and write in the present tense, past tense, and future tense plus the use of high frequency irregular verbs. Students will be able to read long passages and write paragraphs and short essays. The course focuses on the communicative based approach that emphasizes fluency. As a result, students will engage in oral skits that model common real life situations.

558301H	HON	SPANISH III	1 CREDIT
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This advanced course builds on previous language skills learned in levels I and II. The emphasis will be on oral reproduction, pronunciation and more complex grammatical structures. This course will focus on all levels of language such as listening, speaking, writing and reading. Another important feature will be the exploration of the diverse and rich Spanish-speaking world.

548101R	REG	SPANISH FOR HERITAGE SPEAKERS I	1 CREDIT
548101H	HON	SPANISH FOR HERITAGE SPEAKERS I	1 CREDIT

This course is for Spanish speakers who understand some basic Spanish but do not necessarily read or write the language. Students will work on basic grammar structures, vocabulary, writing and conversational skills and will explore the cultures of the Spanish speaking world.

Note: Course may not be taken as an elective.

548201R	REG	SPANISH FOR HERITAGE SPEAKERS II	1 CREDIT
548201H	HON	SPANISH FOR HERITAGE SPEAKERS II	1 CREDIT

This course is for Spanish speakers who are able to speak, read and write Spanish at the basic to intermediate level. The focus is on intermediate grammar structures, vocabulary expansion, written compositions and students will continue to work with literary texts and continue to explore the cultures of the Spanish speaking world.

548301R	HON	SPANISH FOR HERITAGE SPEAKERS III	1 CREDIT
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This course is for students to enrich their Spanish abilities in speaking, listening, reading, and writing. Third year students will learn the necessary grammar to be able to speak in formal situations, read more sophisticated texts, and compose formal literary pieces. To accomplish this, they will expand their vocabulary as they read and complete cultural projects. Students will also use critical thinking skills to analyze and discuss contemporary issues that have an impact on the Spanish-speaking world.

All AP students are required to take the AP exam in May. There may be up to a \$100 fee for each AP exam. Students who register or drop an AP course after the November 15, 2019 test registration deadline will incur an additional \$40 fee by the College Board regardless of fee waiver eligibility. Students who qualify for free or reduced lunch based on the submitted family income form, may qualify for an ISBE subsidy.

578101A	ADV	ADVANCED PLACEMENT SPANISH LANGUAGE & CULTURE	1 CREDIT
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The AP Spanish language course builds on students' previous knowledge as they develop the productive, receptive and cultural skills necessary to communicate with Spanish language speakers. This course is based on National Standards such as the three modes of communication: interpersonal, interpretive, and presentational. The course includes grammar review, which is reinforced and is built upon through reading authentic texts such as articles, info graphs, and non-fiction as well as literature/short stories. Listening and speaking is developed through audio texts and recordings which are designed for test preparation. Students continue to enhance their formal written communication in the target language through various activities. Students are required to take the Advanced Placement Exam

Prerequisite: 11th grade standing, passed Spanish for Spanish Speakers 1-2 with a B or higher, current Spanish teacher recommendation, and no more than five absences in any semester.

579101A	ADV	ADVANCED PLACEMENT SPANISH LITERATURE & CULTURE	1 CREDIT
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An AP Spanish Literature course is comparable to a third-year college introduction to Hispanic literature course. It is based on a required reading list. The works on the list are of literary significance and represent various historical periods, literary movements, genres, geographic areas, and population groups within the Spanish-speaking world. The objective of the course is to help you interpret and analyze literature in Spanish. Students are required to take the Advanced Placement Exam.

Prerequisite: 11th grade standing, passed AP Spanish Language with a C or higher, current Spanish teacher recommendation, and no more than five absences in any semester.

559111A	ADV	DUAL CREDIT SPANISH 101	1 CREDIT
559121A	ADV	DUAL CREDIT SPANISH 102	1 CREDIT

This is an introductory college Spanish course that is similar in standard and rigor to a high school level 4 World Language course. It is designed to develop effective communication skills in Spanish through the elementary development of the 3 modes of communication (interpersonal, interpretive and presentational) while focusing on cultural beliefs, values, and aspects of everyday real life experiences in the Spanish culture. This course focuses on basic structures and more advanced structures while developing speaking, listening, reading and writing in Spanish through various activities, projects and presentations as appropriate to this level of mastery (more than five absences in any semester may disqualify students from college credit). As part of the City Colleges of Chicago, successful completion of course with a grade of C or better will grant the student 4 college credits.

Prerequisite: Completion of Spanish 3, minimum of 2.5 gpa, previous Dual Credit/Dual Enrollment Course grade(s) of C or higher and language placement exam

COMPUTER SCIENCE

REQUIREMENT: ONE YEAR OF EXPLORING COMPUTER SCIENCE BEGINNING WITH THE CLASS OF 2019

Grade 9	Grade 10	Grade 11	Grade 12
Exploring Computer Science R	Exploring Computer Science R	ELECTIVES	ELECTIVES
Exploring Computer Science H	Exploring Computer Science H	Gaming Concepts I H	Gaming Concepts II H
	ELECTIVES	Gaming Concepts II H	Web Design II H
	Gaming Concepts I H	Web Design II H	
	Web Design I H		

668201R	REG	EXPLORING COMPUTER SCIENCE	1 CREDIT
668201H	HON	EXPLORING COMPUTER SCIENCE	1 CREDIT

This is a required computer science course for both the gaming and web development tracks and graduation. The course examines concepts, issues, practices and practical problem solving techniques using inquiry based and collaborative approaches. Topics include ethics, numbering systems, basic web design, and programming interactive stories, games, animations and robotic devices using Scratch.

Prerequisite: Honors level – 9th grade - concurrent enrollment in Hon. Algebra & Hon English; 10th grade – completion of Hon. Algebra & Hon. English with C or higher

721131H	HON	GAMING CONCEPTS I	1 CREDIT
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This is the first course in a two-year sequence of Game Programming. Students who enroll in this class are expected to commit to the entire sequence. Students develop teamwork and problem-solving skills while creating 2D video games and mobile apps using various game engines and the python programming language. Because video games are more than just programming, we value students who can create a good story, art, and/or sound or who want to develop their skills in these areas. Certification in Adobe Photoshop will be offered.

Prerequisite: Passed Exploring Computer Science with a C or higher

721231H	HON	GAMING CONCEPTS II	1 CREDIT
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This is the second course in a two-year sequence of Game Programming sequence. The course will focus on integrating design, character, story, art, sound, strategy, interactions and programming to create 3D video games using a game engine and the C# programming language. Students create their own 3D models in Autodesk 3ds Max and at least one game will be programmed for a VR and a mobile interface. Students continue to develop teamwork and problem-solving skills throughout the year and apply them to develop a game for a capstone event at the end of the year. A certification in programming will be offered.

Prerequisites: Passed Gaming Concepts I with a C or higher

730131H	HON	WEB DESIGN FUND I	1 CREDIT
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This is the first course in a two-year sequence. Students who enroll are required to complete the two-year sequence. Students learn the process of layout design for web, including wire framing, storyboard creations, and image maps. Students develop basic web pages using HTML and CSS formatting. Students are required to take a certification exam, Site Development Associate. To keep up with the demands of the certification content, students are expected to do web site development both in class and at home.

Prerequisite: Passed Exploring Computer Science with a C or higher.

730231H	HON	WEB DESIGN FUND II	1 CREDIT
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This is the second course in a two-year sequence. Students implement graphic design for web, using wire framing, and storyboard creations. Students develop advanced web pages using HTML 5, CSS3 and JavaScript. Students are required to take a certification exam in Advanced HTML 5. To keep up with the demands of the certification of the certification content, students are expected to do the web site development both in class and at home.

Prerequisite: Passed Web Design I with a C or higher

Fine Arts Department

REQUIREMENT: TWO YEARS REQUIRED

Grade 9	Grade 10	Grade 11	Grade 12
Advanced Band I H	Advanced Band I H	ELECTIVES	ELECTIVES
Beginning Band R	Digital Imaging R	Advanced Band II or III H	Advanced Band II or III H
Beginning Chorus	Art	Intermediate Chorus H	Advanced Chorus H
Art	Art II: Painting/Printmaking H	Advanced Chorus H	Art R
	Beginning Band R	Art R	Digital Imaging R
	Beginning Chorus	Digital Imaging R	Drama I or II R
	Digital Imaging R	Drama I or II R	Experiences in Music R
	Advanced Band II H	Experiences in Music R	Photography H
	Intermediate Chorus H	Digital Media R	Digital Media R
	Photography H	Photography H	Art II: Painting/Printmaking H
		Art II: Painting/Printmaking H	

915101R REG ART 1 CREDIT

Open to all levels. This course introduces the students to drawing, painting, sculpture, and other media. It includes analytical and technical skills focusing on art elements and principles of art. Students also develop the ability to understand art history, and appreciate art aesthetics, art criticism and learn about the changing career field of art. *Students are required to purchase basic art supplies.*
Note: Course may not be taken as an elective

915301H HON ART II: PAINTING/PRINTMAKING STUDIO 1 CREDIT

In this advanced studio art course, students explore a variety of media and processes used in painting and printmaking. There is an emphasis on learning technique and developing a portfolio for post-secondary application that demonstrates mastery of concept, composition and execution in both disciplines. Students work with a variety of paint and printmaking media including acrylic, tempera, watercolor, relief, screen printing, monotype, and etching.
Prerequisite: Student must have successfully completed Art I or Dig Imaging with a C or better and obtain a recommendation from a visual arts teacher

919101R REG DIGITAL IMAGING 1 CREDIT

This introductory course is open to all students. It will introduce students to the basics of working with imagery in the digital realm. Students will learn various methods of producing and manipulating images in Adobe Illustrator and Photoshop and work with basic animation/motion graphics.

693101 REG DIGITAL MEDIA-CTE 1 CREDIT

This introductory course is open to all students. It will introduce students to the basics of working with imagery in the digital realm. Students will learn various methods of producing and manipulating images in Adobe Illustrator and Photoshop and work with basic animation/motion graphics.
Note: This course does NOT fulfill the fine arts credit.

973101R REG DRAMA I 1 CREDIT

This course is designed to introduce students to various types of plays, stage techniques, performance, and production. Students in this class will read plays, perform scene plays, and attend performances. This class will focus on the elements of drama; the study of acting, scene study, original performance, and the characteristics of theatre.
Note: Course may not be taken as an elective

973201R REG DRAMA II 1 CREDIT

This course further develops skills and approaches learned in Drama I. Students continue to study styles of performance, work on theater techniques and read plays and are encouraged to write and create original pieces and productions.

955101R REG EXPERIENCE IN MUSIC 1 CREDIT

This course encourages students to develop and explore what it means to be a musician. The course will scaffold skills and processes that strengthen active musical thought and feeling through listening, performing, improvisation, and composition. Skill acquisition will be learned through, but not limited to, the ukulele, guitar, and music editing software.
Note: Course may not be taken as an elective

938101R REG BEGINNING BAND (NO STRING INSTRUMENTS) 1 CREDIT

Students will learn to play various instruments (excluding strings). Prior music experience is welcomed, but not required. The fundamental of playing an instrument and accurate music reading are stressed. This class includes different brass, woodwind and percussion instruments. Students are required to perform in the spring concert. Grade in course does not determine if the student will be promoted to the next level of band.
Prerequisite: 9th or 10th grade standing
Note: Course may not be taken as an elective

958101H HON ADVANCED BAND I 1 CREDIT

Students increase their knowledge of their instrument, and play more difficult music. Solo and ensemble participation is encouraged. Public performances with the performing group are required. Students are required to perform in all concerts and contest. Grade in course does not determine if the student will be promoted to the next level of band.

Prerequisite: Recommendation of Mr. Walker

958201H HON ADVANCED BAND II 1 CREDIT

Students increase their knowledge of instrumental performance and performance techniques. Students must play primary or first parts in all performing groups. Solo, ensemble, contest and public performances are required. Students are required to perform in all concerts and contest. Grade in course does not determine if the student will be promoted to the next level of band.

Prerequisite: Recommendation of Mr. Walker

958301H HON ADVANCED BAND III 1 CREDIT

Students increase their knowledge of instrumental performance and performance techniques. Students must play primary or first parts in all performing groups. Solo, ensemble, contest and public performances are required. Grade in course does not determine if the student will be promoted to the next level of band.

Prerequisite: Recommendation of Mr. Walker

958401H HON ADVANCED BAND IV 1 CREDIT

This is a performance orientated full credit class open to students in any grade. Students will perform on instruments, alone and with others, a varied repertoire of music grades 2 – 3. Students will demonstrate musicianship skills in a large ensemble setting relating to balance, blend, intonation, and rhythmic precision. As a co-curricular performance activity, attendance is required for rehearsals and performances beyond regular school hours. Members of this ensemble will combine with other classes to form the pep band. We do not offer string instruments.

Prerequisite: Recommendation of Mr. Walker

956101R REG BEGINNING CHORUS 1 CREDIT

Students in their first year of vocal music learn the techniques of group singing through appropriate choral literature. Part independence is a major goal for students participating in this ensemble. Students are required to learn basic theory and sight-singing skills and pass ALL beginning chorus performance indicators. Students are required to perform in two evening concerts and participation in CPS' solo/ensemble contest is encouraged. This class is designed for freshmen and sophomores.

Prerequisite: 9th or 10th grade standing

959101H HON INTERMEDIATE CHOURS 1 CREDIT

Students in their second or third year of vocal music learn more advanced vocal techniques and choral literature. Continued work towards part independence will be imperative for student success in this course. Additionally, students will continue to work on developing their music theory and sight-singing skills. Students are **required** to perform in two evening choral performances (spring and winter), CPS Large Group Contest, and participation in CPS solo/ensemble contest is strongly encouraged.

Prerequisites: 10th, 11th, 12th Grade - Spring audition with Mr. Gabor and Mr. Trpkosh to demonstrate mastery of ALL beginning chorus performance indicators.

966101H HON ADVANCED CHORUS 1 CREDIT

Students in their second, third and fourth year of vocal music learn advanced vocal techniques and choral literature from the most complex styles, while acquiring more in-depth musical knowledge. Advanced sight-singing and music theory concepts will be taught to students in this class. Students are **required** to perform in the CPS Large Group and Solo/Ensemble contests, two evening concerts and scheduled community performances (at Von or within the Chicago Community).

Prerequisite: 10th, 11th, 12th Grade - Spring audition with Mr. Gabor and Mr. Trpkosh to demonstrate mastery of ALL beginning chorus performance indicators.

909101H HON PHOTOGRAPHY 1 CREDIT

Through this intensive introductory course, students will explore the processes and techniques related to digital photography and analyze professional works by various photographers. Students will learn the many functions of a DSLR camera, participate in regular critiques and discussions, manipulate basic studio lighting and editing software, and apply photo theory to create work that is personally significant.

Prerequisite: Passed Art I with a C or higher and obtain an art teacher recommendation

PHYSICAL EDUCATION DEPARTMENT

REQUIREMENT: FOUR YEARS REQUIRED

Grade 9	Grade 10	Grade 11	Grade 12
P.E. I	P.E. II	P.E. III	P.E. IV
		LEADERS P.E. H	LEADERS P.E. H

990101R REG PHYSICAL EDUCATION AND HEALTH I 1 CREDIT

This course introduces concepts for personal development in health-related fitness and physical skills; this includes cardiovascular exercise, strength, endurance, and flexibility, which will be a basis for the four year physical education program. Students will also focus on nutrition, health and family life education.

990201R REG PHYSICAL EDUCATION AND HEALTH II - DRIVERS EDUCATION 1 CREDIT

Co-ed physical education offers 10 weeks of driver education and 30 weeks of physical education. The purpose of driver's education is to inform sophomores on the rules and regulations of safe driving. The physical education goals of achieving the knowledge and skills necessary to sustain active lifestyles are accomplished through participation in individual and team activities.

990311R REG PHYSICAL EDUCATION III 1 CREDIT

This course will introduce students to various individual and team sports with an emphasis on physical fitness and lifetime activities.

Prerequisite: 11th grade standing

994601R REG PHYSICAL EDUCATION IV 1 CREDIT

This course will provide an overview of the basic principles of physical fitness and benefits of living a healthy life style. Students will be introduced to weight training, individual and team sports with an emphasis on physical training, nutrition, and aerobic conditioning.

Prerequisite: 12th grade standing

986101H HON LEADERS IN PHYSICAL EDUCATION 1 CREDIT

Leaders in Physical Education is a unique physical education class experience where exemplary regular education students have the opportunity to assist students with special needs. The class is designed for students to be a leader to a special needs classmate during their physical education class. The leaders support their classmate by providing them assistance in physical activities and positive social interactions. This class benefits all students and demonstrates great character in students who understand its importance.

Prerequisite: 11th and 12th grade standing, passed previous PE courses with a B or higher. Application required and PE teacher recommendation. Student needs to have patience and the willingness to help others, especially those with diverse needs.

LINK CREW

ELECTIVES

Grade 9	Grade 10	Grade 11	Grade 12
		Link Crew	Link Crew II

013151R REG Link Crew 1 CREDIT

013011R REG Link Crew II 1 CREDIT

This course is offered to students who are interested in developing leadership skills and changing school culture. Junior/Senior year students will go through a year of training concentrating on building relationships, goal setting, problem solving and empowering students with the skills to bring about change. A strong emphasis is placed upon connecting students with a group of ninth graders to help them transition into high school, as peer mentors. Responsibilities include leading warm-up activities, facilitating game play, helping students with skill development, and being a positive role model to the students at Von Steuben.

Prerequisite: 11th or 12th grade standing. Completion of application and interview process.

CITYWIDE PROGRAMS AND AFFILIATIONS

YOU MUST APPLY AND BE ACCEPTED FOR THESE CLASSES. THESE CLASSES MUST BE ELECTED THROUGH CONSULTATION WITH YOUR COUNSELOR.

Grade 9	Grade 10	Grade 11	Grade 12
		Contemporary Sculpture: 3D Studio AP Portfolio Preparation	Contemporary Sculpture: 3D Studio AP Portfolio Preparation
		Studio Drawing and Painting: AP Portfolio Preparation	Studio Drawing and Painting: AP Portfolio Preparation
		Video Production: Digital Movie Making	Video Production: Digital Movie Making
		3-Dimensional Computer Modeling	3-Dimensional Computer Modeling
		Graphic Design: Visual Communication	Graphic Design: Visual Communication
		Dance Expressions: Modern, Jazz and Ballet	Dance Expressions: Modern, Jazz and Ballet
		Vocal Arts	Vocal Arts
		Theatre Arts	Theatre Arts
		Culinary Arts: Chef Training	Culinary Arts: Chef Training
		Photographic Explorations: AP Portfolio Preparation	Photographic Explorations: AP Portfolio Preparation
		Mixed Media: 2D and 3D	Mixed Media: 2D and 3D
		Jazz Performance	Jazz Performance
		Chicago Police and Firefighters Academy	Chicago Police and Firefighters Academy

Gallery 37: Advanced Arts Program (AAP)

The CPS Advanced Arts Program at Gallery 37 provides artistically talented students with in-depth instruction and career guidance from professional visual, performing, and culinary artists in Chicago. AAP is an off-campus program that provides CPS juniors and seniors with a year-long, two-hour Honors or Dual Credit level course. At the conclusion of a year of study, two high school credits toward graduation are awarded to students who successfully meet the course objectives. Students who successfully complete a **Dual Credit course will earn 3 college credits per semester for a total of 6 at the completion of the full school year.** Classes meet five days per week, from 2:45 pm. until 4:45 p.m., during the entire school year at the Gallery 37 Center for the Arts, 66 East Randolph Street. Students receive bus passes daily for travel purposes. Applications may be obtained at: <http://ADVANCEDARTS.CPS.EDU>.

Students must see their counselor if they are interested in the following classes:

STUDIO DRAWING AND PAINTING PORTFOLIO PREPARATION – Dual Credit CREDITS VARY

Designed for students who want to prepare portfolios for AP credit and college applications. Students will produce art in a variety of media and from direct observation of the human figure, still life, and landscapes.

CONTEMPORARY SCULPTURE: 3D STUDIO PORTFOLIO PREPARATION – Dual Credit CREDITS VARY

Designed for students who want to prepare portfolios for AP credit and college applications. Students will explore a variety of techniques in sculpture such as carving, casting, and modeling in a variety of materials like clay, wood, and metal.

PHOTOGRAPHIC EXPLORATIONS: PORTFOLIO PREPARATION – Dual Credit CREDITS VARY

Designed for students who want to prepare portfolios for AP credit and college applications. Students will explore the vast creative possibilities of photography by learning techniques such as image generation, manipulation, editing, and printing.

MIXED MEDIA: 2D AND 3D – Dual Credit CREDITS VARY

This course explores the interaction of materials and techniques in media by using activities such as drawing, painting, sculpture, ceramics, and collage to express personal ideas and insights.

3-DIMENSIONAL COMPUTER MODELING - Honors CREDITS VARY

Students will explore the freedom of creating a "virtual world" by using state-of-the-art software and techniques from traditional art forms to make computer-animated films and 3D video games.

VIDEO PRODUCTION: DIGITAL MOVIE MAKING – Dual Credit CREDITS VARY

Designed to allow students to produce dynamic and creative video programs utilizing state of the art technology in television studio production, field production, sound studio recording, and non-linear video editing with digital special effects.

GRAPHIC DESIGN: VISUAL COMMUNICATION – Dual Credit CREDITS VARY

This course explores the complex field of visual communication by teaching students to use Adobe Photoshop and Adobe Illustrator to design posters, logos, advertisements, publications, and websites.

DANCE EXPRESSIONS: MODERN, JAZZ AND BALLET - Honors CREDITS VARY

Students will become disciplined and versatile dancers by acquiring the basic technique, coordination, and musical interpretation that are essentials of a classical training. They will study Modern and Jazz dance and ballet to learn proper posture and body placement.

VOCAL ARTS – Dual Credit**CREDITS VARY**

Students will learn basic music reading, performance, and stage presentation skills while refining individual and group vocal techniques. Students will perform music in foreign languages while also learning techniques for vocal auditions.

THEATER ARTS – Dual Credit**CREDITS VARY**

This course challenges students to explore the creative process of acting and provides students with new skills in performance, voice and speech, improvisation, and ensemble acting.

JAZZ PERFORMANCE – Dual Credit**CREDITS VARY**

Forming two jazz combos, students explore and perform all styles of jazz from its inception to today, including Dixieland, swing, bebop, cool, hard bop, Latin, modal, free, fusion, and contemporary. Emphasis is placed on a working knowledge of standard jazz repertoire as well as the development of original compositions. Included is instruction in Jazz Improvisation, Theory, Composition, History, and Styles and Analysis.

CULINARY ARTS: CHEF TRAINING - Honors**CREDITS VARY**

This course offers students the opportunity to learn culinary skills and creative presentation methods in a professional kitchen in preparation for a career in culinary arts. This class also offers proficiency credit for college.

Prerequisite for Gallery 37: 11th or 12th grade standing with at least a 3.0 weighted GPA, 95% attendance rate, and approval of counselor.

Chicago Police and Firefighter Training Academy

CHICAGO POLICE & FIREFIGHTER ACADEMY (CPFTA)**CREDITS VARY**

CPFTA provides training for students interested in careers in public safety, law enforcement, criminal justice, and fire science. This four-year program begins junior year and continues with a two-year college component after high school graduation. Students may also participate in a paid summer internship between junior and senior year. After completion of the four-year program, students will have met the minimum educational requirements to take the Chicago Police and Fire Department examinations. The course is 1 credit per year with the option for 1 additional credit for attending college classes in criminal justice or fire safety. Students enrolled in CPFTA are released from 8th period to attend the class after school.

Prerequisite for CPFTA: 11th grade standing with at least a 2.3 GPA, 90% attendance rate, and approval of counselor.