



Von Steuben Metropolitan Science Center

2011

Course Guide

(Revised 03/01/11)

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.

5039 North Kimball Avenue
Chicago, IL 60625
www.vonsteuben.org

Main Office: 773.534.5100
Fax: 773.534.5210

TABLE OF CONTENTS

ENGLISH DEPARTMENT	4
SOCIAL STUDIES DEPARTMENT	7
SCIENCE DEPARTMENT	11
MATHEMATICS DEPARTMENT	14
COMPUTER SCIENCE DEPARTMENT	17
WORLD LANGUAGES DEPARTMENT	19
FINE ARTS DEPARTMENT	23
PHYSICAL EDUCATION DEPARTMENT	25
ADVANCEMENT VIA INDIVIDUAL DETERMINATION (AVID)	26
CITYWIDE PROGRAMS AND AFFILIATIONS	27

VON STEUBEN VISION AND MISSION STATEMENTS**Von Steuben Vision Statement**

We envision a school that fosters a culture of responsibility built on scientific thinking.

Our graduates will succeed in and contribute to a competitive and ever-changing world.

Von Steuben Mission Statement

Our purpose is to prepare all students for an ever-changing cultural and technological world.

We employ scientific approaches to teaching and learning. We collaborate across disciplines to design curriculum and deliver instruction to support student achievement at or above grade level.

We insist on a culture of responsibility and opportunity for achievement built by all students, parents, teachers, staff and administrators.

The expectation of involvement, self-discipline, and mutual respect extends to all members of our school community.

ENGLISH DEPARTMENT

REQUIREMENT: FOUR YEARS REQUIRED FOR GRADUATION

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 and Composition	AP English Language and Composition
Written and Oral Communication R		AP English Literature and Composition	AP English Literature and Composition
Written and Oral Communication H			
Grade 9 Electives	Grade 10 Electives	Grade 11 Electives	Grade 12 Electives
	Journalism: Yearbook I H	Journalism: Yearbook I H	Journalism: Yearbook I H
		Journalism: Yearbook II H	Journalism: Yearbook II H
		Film Study R	Journalism: Yearbook III H
		TV Production R	Film Study R
		Speech H	TV Production R
			Speech H

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.

Prerequisite: Survey Literature, Level recommended by Survey Literature teacher
Honors level: grade A or B in previous English classes, good attendance in previous years (more than 3 absences in any quarter could disqualify you from honors level.)

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 A.C.T. examination will be included. For HON students, independent study and library research will be expected.

Prerequisite: 11th grade standing, American Literature
Honors level: grade A or B in previous English classes, good attendance in previous years (more than 3 absences in any quarter could disqualify you from honors level.)

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

This course is designed to present to students some of the literary achievements of modern world literature e. 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. Honors students will have additional reading and writing assignments.

Prerequisite: 12th grade standing, British Literature
Honors level: grade A or B in previous English classes, good attendance in previous years (more than 3 absences in any quarter could disqualify you from honors level.)

134101H	HON	SPEECH	1 CREDIT
<p>Students will learn the theory and process of preparing and delivering a variety of types of informative, persuasive, public and ceremonial speeches. Students will develop a personal rhetorical style appropriate for impromptu, extemporaneous and manuscript speaking. Students will learn to use visual aids effectively, and handle questions and answers. The course develops and improves argumentative and critical-thinking skills. Through participation in class debates and forums on current topics, students research topics, discover issues and formulate propositions as they apply to social and personal decision-making</p> <p><i>Pre-requisite: Taken concurrently with 11th or 12th grade English course. If students are not members of the Debate Team, a teacher recommendation is required. Preferred if students are in an Honors or AP English course but not required if recommendation is written by English teacher.</i></p>			
156101H	HON	JOURNALISM: YEARBOOK I	1 CREDIT
<p>Students in this course publish the school yearbook, <i>Visions</i>. As editors, reporters, and photographers, students will choose areas of the school to cover and how they will be produced. This class is in addition to the student's 7 required classes.</p> <p><i>Prerequisite: Must be taken concurrently with an English course, 11th or 12th grade standing and recommendation from Mrs. Kessler</i></p>			
156201H	HON	JOURNALISM: YEARBOOK II	1 CREDIT
<p><i>Prerequisite: Must be taken concurrently with another English course, successful completion of Journalism Yearbook I with a grade of C or better, 11th grade standing and recommendation from Mrs. Kessler.</i> This class is in addition to the student's 7 required classes.</p>			
156301H	HON	JOURNALISM: YEARBOOK III	1 CREDIT
<p><i>Prerequisite: Must be taken concurrently with another English course, successful completion of Journalism Yearbook I and II with a grade of C or better, 12th grade standing and recommendation from Mrs. Kessler</i> This class is in addition to the student's 7 required classes.</p>			
195101R	REG	FILM AS LITERATURE	1 CREDIT
<p>In this course, students will be introduced to different aspects of film and film-making. Students will look at film history, directing, cinematography, editing, sound, set design, and genre. Students will learn to view film critically; read and analyze writing about film; and respond to films through thoughtful writing and oral presentations.</p> <p><i>Prerequisite: Must be taken concurrently with another English course, 11th or 12th grade standing.</i></p>			
106101R	REG	TV PRODUCTION 1	1 CREDIT
<p>This course will introduce students to the basics of creating their own films. Students will develop skills in everything from inventing story ideas and writing screenplays to learning digital video and advanced editing techniques. In addition, students will learn to work in teams and to add their own expertise to the larger group in order to create one product. There is a \$25 lab fee that helps cover the cost of equipment upkeep. Fee must be paid in full for student to remain in the course.</p> <p><i>Note: Must be taken concurrently with another English course and 11th or 12th grade standing</i></p>			
169101R	REG	WRITTEN/ORAL COMMUNICATION	1 CREDIT
<p>In this skills based course, students gain the practice and experience necessary in tackling college-level reading, writing and speaking. Study includes literature, the majority of which is non-fiction, and writing for a variety of purposes. Students must be prepared to set individual goals and work collaboratively, sharing their insights with other writers.</p> <p><i>This class is one of the required classes in the freshman year.</i></p>			
169101H	HON	WRITTEN/ORAL COMMUNICATION	1 CREDIT
<p>In this skills based course, students gain the practice and experience necessary in tackling college-level reading, writing and speaking. Study includes literature, the majority of which is non-fiction, and writing for a variety of purposes. Students must be prepared to set individual goals and work collaboratively, sharing their insights with other writers.</p> <p><i>This class is one of the required classes in the freshman year.</i></p>			

*Advanced Placement classes at Von Steuben are the equivalent of an introductory college course. Students enrolled in an AP course are expected to undertake the challenge of an increased reading and work load, more independent work, and extended writing assignments. All students enrolled in an AP course will take the Advanced Placement exam in May. **There is a \$25 test materials fee for the AP exam.** If the student qualifies for free and reduced lunch based on the submitted lunch application he/she may request a fee waiver.*

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 will take the Advanced Placement Exam.

Prerequisite: *Grades of A or B in previous English classes, good attendance in previous years (more than three absences in any quarter could disqualify you.) 11th or 12th grade standing.*

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 ways writers use language to provide both meaning and pleasure for their readers. Students will take the Advanced Placement Exam.

Prerequisite: *Grades of A or B in previous English classes, good attendance in previous years (more than three absences in any quarter could disqualify you.) 11th or 12th grade standing.*

Social Studies Department

REQUIREMENT: THREE YEARS REQUIRED FOR GRADUATION

Grade 9	Grade 10	Grade 11	Grade 12
World Studies R	U.S. History R		
World Studies H	U.S. History H		
World Studies S	U.S. History S		
AP Human Geography	AP Human Geography		
	AP World History		
Grade 9 Electives	Grade 10 Electives	Grade 11 Electives	Grade 12 Electives
		AP Human Geography	AP Human Geography
		AP U.S. History	AP U.S. History
		AP European	AP European
		AP Government: United States	A. P. Government: United States
		AP World History	A.P. World History
		Economics R	Economics R
		Economics H	Economics H
		Law and Society H	Law and Society H
		Sociology R	American Government
		History of Chicago R	History of Chicago R
		Humanities H	Psychology R
		World Geography R	World Geography R

Typical Path for Freshmen Taking AP Social Sciences:

Grade 9	Grade 10	Grade 11	Grade 12
AP Human Geography	AP World History	AP U.S. History	AP European
		U.S. History H	A. P. Government: United States
			Economics H
			Law and Society H

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

World Studies is a course which 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	U.S. HISTORY	1 CREDIT

This is a survey course that 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.

203001R	REG	AMERICAN GOVERNMENT	1 CREDIT
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This course is the study of American governing institutions at the national, state, and local level. Topics will include: the Constitution, voting, pressure groups, Congress, the presidency and administration of state and local governments.

Passing this course satisfies the U.S. and Illinois Constitution test requirement for graduation.

This course contains curriculum that will fulfill the CPS consumer education requirement.

Prerequisite: 12th grade standing.

239101R REG ECONOMICS 1 CREDIT

239101H HON ECONOMICS 1 CREDIT

This course 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. Students will also learn basic principles of financial management and investing.

This course contains curriculum that will fulfill the CPS consumer education requirement.

Prerequisite: 11th or 12th grade standing.

263101R REG HISTORY OF CHICAGO 1 CREDIT

Students will investigate the people and events that changed Chicago from a marshy area of Indian dwellers to the major metropolitan, multi-ethnic, cultural center that it is today. Topics include Chicago’s legends, neighborhoods, politics, business, crime, architecture, sports and entertainment. Maps, charts, and documents will be examined. Individual, team and group activities culminate in field trips to local sites. Students will participate in the Chicago Humanities Festival as part of their curriculum.

Prerequisite: 11th or 12th grade standing

296101H HON HUMANITIES 1 CREDIT

Humanities are those areas of thought and creation whose subject is the human experience. They include history, philosophy, religion, and the 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 of Socrates, Plato, and Aristotle. By carefully examining several distinct periods, the course aims to show the evolution and metamorphosis in the defining of both the Humanities and the individual. Students will be expected to participate and incorporate the valuable resources available to them that include the Humanities Festival.

Prerequisite: 11th grade standing

280101H HON LAW AND SOCIETY 1 CREDIT

Learn the law from the lawyer’s perspective. Course topics will include criminal, juvenile, civil, consumer and constitutional law. A special component of the course is the mock trial, a trial simulation and competition in which all law students participate during the third quarter; practicing lawyers coach the class and trials are adjudicated by judges and lawyers. Class also includes visits by lawyers and other law-related presenters. This is an excellent class for anyone interested in a law-related career.

Prerequisite: 11th or 12th grade standing

207101R REG PSYCHOLOGY 1 CREDIT

This course is the study of human behavior. Topics include personality development, learning theory, child development, tests and measurements, mental health and mental illness. Students learn to recognize the uniqueness of the individual.

Prerequisite: 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.

This course contains curriculum that will fulfill the CPS consumer education requirement.

Prerequisite: 11th grade standing

252101R REG WORLD GEOGRAPHY 1 CREDIT

The goal of this course is to introduce students to the major concepts of World Geography. The focus will be on looking at people and their ways of life as well as studying the physical features of the earth’s many regions.

This course contains curriculum that will fulfill the CPS consumer education requirement.

Prerequisite: 11th or 12th grade standing

SCIENCE DEPARTMENT

REQUIREMENT: FOUR YEARS REQUIRED

Grade 9	Grade 10	Grade 11	Grade 12
Biology R	Chemistry R	Physics H	
Biology H	Chemistry H	Physics R	
Biology S	Chemistry S		
Grade 9 Electives	Grade 10 Electives	Grade 11 Electives	Grade 12 Electives
		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 10x	AP Environmental Science W/Lab 10x
		AP Physics W/Lab 10x	AP Physics W/Lab 10x
		Anatomy-Physiology R	Forensic Science H
		Anatomy-Physiology H	Anatomy-Physiology R
		Forensic Science H	Anatomy-Physiology H
		Earth/Space Science R	Earth/Space Science R
		Environmental Science R	Environmental Science R

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 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 honors program will have increased mathematical applications in the treatment of laboratory data. Honors level students are required to complete a science fair project.

Prerequisite: Algebra and Biology

HON: a minimum grade of B in Honors Algebra or an A in regular Algebra.

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 and current science teacher recommendation

335101 REG EARTH/SPACE SCIENCE 1 CREDIT

Earth/Space Science is the study of the interrelationships between the atmosphere, the geosphere, the hydrosphere, the biosphere and the earth-universe system. Students will develop knowledge and understanding of the earth system and its place in the universe, in order to make better informed personal and social decisions related to quality of life and management of the Earth's finite resources, environments, and hazards.

Prerequisite: 11th or 12th grade standing.

Succeeding courses: Anatomy-Physiology, Physics

339101R REG ENVIRONMENTAL SCIENCE 1 CREDIT

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, grade B or better in preceding science classes

391101R REG ANATOMY - PHYSIOLOGY 1 CREDIT

391101H HON ANATOMY - PHYSIOLOGY 1 CREDIT

This course is the study of the relationship of anatomical structures of humans to their physiological processes. It includes the study of systems of the body, dissections of mammalian tissues and an examination of diseases.

Students must purchase a \$105 lab manual that will serve as a guide for in-class experiences. **The manual fee must accompany the parent signature approval page or student will be dropped.**

Prerequisite: 11th or 12th grade standing

302101H HON FORENSIC SCIENCE 1 CREDIT

Forensic science will be a thought-provoking course that would challenge students to perform at a high academic level. Major topics include the disposition of toxic compounds and metabolism of foreign compounds. Toxicological effects on anatomical organs will be studied. The final major topic will cover forensic science careers, forensic scientific methods and its application in society.

Prerequisite: 11th or 12th grade standing.

Advanced Placement classes at Von Steuben are the equivalent of an introductory college course. Students enrolled in an AP course are expected to undertake the challenge of an increased reading and work load, more independent work, and extended writing assignments. All students enrolled in an AP course will take the Advanced Placement exam in May. **There is a \$25 test materials fee for the AP exam.** If the student qualifies for free and reduced lunch based on the submitted lunch application he/she may request a fee waiver.

372101A ADV ADVANCED PLACEMENT BIOLOGY with LAB 10X 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. Students will take the Advanced Placement Exam. This is a double period course.

Prerequisite: *Grade of A in Regular Chemistry or grade of B in Honors Chemistry and recommendation of current science teacher, and 11th or 12th grade standing. (More than three absences in any quarter may disqualify students for registration in any A.P course).*

374101A ADV ADVANCED PLACEMENT CHEMISTRY with LAB 10X 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. Students will take the Advanced Placement Exam. This is a double period course.

Prerequisite: *Grade of A in Regular Algebra or grade of B or better in Honors Algebra, Chemistry and Physics (Physics may be taken concurrently) and recommendation of current science teacher. (More than three absences in any quarter may disqualify students for registration in any A.P course).*

376101A ADV ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE with LAB 10X 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. Students will take the Advanced Placement Exam. This is a double period course.

Prerequisite: *Grade of A in Regular Biology and Algebra or Grade of B Honors Biology, and Algebra, and recommendation of current science teacher, and 11th or 12th grade standing. (More than three absences in any quarter may disqualify students for registration in any A.P course).*

373101A ADV ADVANCED PLACEMENT PHYSICS with LAB 10X 1 CREDIT

This college level physics course is a rigorous program for students who have a deep interest in physics. The aim is to further develop the students understanding of the laws of physics and the application of these laws to the physical world. Topics will include mechanics, electricity, magnetism, fluid mechanics, thermal physics, waves & optics, and atomic & nuclear physics. Students will take the Advanced Placement Exam. This is a double period course.

Prerequisite: *Grade of A in Regular Advanced Algebra Trig or Grade B or better in Honors Advanced Algebra Trig with Pre-calculus, Physics, and recommendation of current teacher, and 11th or 12th grade standing. (More than three absences in any quarter may disqualify students for registration in any A.P course).*

MATHEMATICS DEPARTMENT

REQUIREMENT: FOUR YEARS REQUIRED

Grade 9	Grade 10	Grade 11	Grade 12
Algebra I H	Geometry H	Advanced Algebra-Trigonometry H	AP Calculus
Algebra I R	Geometry R	Advanced Algebra-Trigonometry R	AP Statistics
		Advanced Algebra Trig/Pre Calculus H	College Algebra-Elementary Functions H
			College Algebra-Analytic Geometry R
			Adv Math Concept
			Pre Calculus H

Typical Path for Freshmen with Algebra Credit:

Grade 9	Grade 10	Grade 11	Grade 12
Geometry	Advanced Algebra-Trigonometry H	AP Calculus	AP Calculus
	Advanced Algebra-Trigonometry R	AP Statistics	AP Statistics
	Advanced Algebra-Trigonometry /Pre Calculus H	College Algebra-Elementary Functions H	College Algebra-Elementary Functions H
			Pre Calculus H

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: Algebra. Honors: Minimum grade of C in Honors Algebra and recommendation of current math teacher.

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

This course is a two semester course which 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. In addition to the introduction of the trigonometric and logarithmic functions algebraically, the focus becomes geometric in the solution of triangles and other applications.

Prerequisite: REG: Algebra and Geometry

HON: Algebra and Geometry with minimum grade of A in Regular Algebra 1 or minimum grade of C in Honors Geometry & Honors Algebra and recommendation of current math teacher.

NOTE: Students must have completed both semesters of Algebra and Geometry to be placed in Advanced Algebra./Trigonometry

498281H HON	ADVANCED ALGEBRA-TRIGONOMETRY/PRE-CALCULUS	1 CREDIT
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In this course, students will continue to develop their mathematical thinking skills and explore advanced mathematical topics from numerical, graphical, symbolic, and verbal viewpoints. First semester, students will focus on the analysis and application of trigonometric, polynomial, rational, exponential, and logarithmic functions. Second semester, students will explore matrices, sequences and series, analytical geometry, and an introduction to the calculus concepts of limits and derivatives.

Prerequisite: B average in Honors Algebra and Honors Geometry and recommendation of current math teacher

Succeeding courses: College Algebra, Advanced Placement Calculus or Advanced Placement Statistics.

414101R REG ADV MATH CONCEPTS 1 CREDIT

This class will review fundamental algebraic concepts such as graphing and solving equations with real-world applications, as well as introduce newer concepts such as probability and statistics. It will emphasize the skills necessary for understanding mathematical concepts as they relate to car and student loans, mortgages and interest rates and budgeting.

Prerequisite: Completion of Advanced Algebra.

458101R REG COLLEGE ALGEBRA 1 CREDIT

This course is designed to enhance the student’s math skills for college and prepare them for an entry-level college math course. Topics include real numbers, complex numbers, graphing, systems of equations and inequalities, quadratics, sequences and series, logarithms, conic sections and basic probability.

Prerequisite: Advanced Algebra with a minimum average of 75% and recommendation of current math teacher.

458101H HON COLLEGE ALGEBRA 1 CREDIT

This course is designed for students who intend to pursue fields of study that apply advanced mathematical concepts. The first semester deals with conic sections, polynomial and rational functions, series and sequences, polar equations along with advanced applications. The second semester is an introduction to differential calculus, including an emphasis on limits and derivatives and integrals of polynomial functions.

Prerequisite: Honors Advanced Algebra with a minimum grade of C
OR Regular Advanced Algebra with a grade of a high A
AND recommendation of current math teacher

468101H HON PRE-CALCULUS 1 CREDIT

This course is designed for students who intend to pursue fields of study that apply advanced mathematical concepts. Topics that will be covered include conic sections, probability and statistics, series and sequences, complex numbers, polynomial and rational functions, and polar equations along with advanced applications.

Prerequisite: Honors Advanced Algebra with a B
OR Regular Advanced Algebra with a grade of a high A
AND recommendation of current math teacher

Advanced Placement classes at Von Steuben are the equivalent of an introductory college course. Students enrolled in an AP course are expected to undertake the challenge of an increased reading and work load, more independent work, and extended writing assignments. All students enrolled in an AP course will take the Advanced Placement exam in May. **There is a \$25 test materials fee for the AP exam.** If the student qualifies for free and reduced lunch based on the submitted lunch application he/she may request a fee waiver.

471101A ADV ADVANCED PLACEMENT CALCULUS AB 1 CREDIT

This advanced mathematics course will include derivatives and their applications, local and absolute maxima and minima values, concavity, related rates and optimization of functions. Second semester will focus on integral calculus with applications to area and volume. Students will take the Advanced Placement Exam (AB).

Prerequisite: Honors Advanced Algebra-Trigonometry/Pre-Calculus with a minimum grade of C and recommendation of teacher. **(More than three absences in any quarter may disqualify students for registration in any A.P course).**

474101A ADV ADVANCED PLACEMENT STATISTICS 1 CREDIT

The centerpiece of this course is a thorough examination of concepts dealing with the collecting, representation and analysis of data. Students must be able to master the ability to clearly present their analysis in a coherent and rigorous fashion. This course is designed to cover those topics which are necessary to perform well on the AP Statistic Exam.

Prerequisite: Minimum grade of B in honors Adv Algebra Trig or grade of A in regular Adv Algebra Trig and recommendation of current math teacher. **(More than three absences in any quarter may disqualify students for registration in any A.P course).**

COMPUTER SCIENCE DEPARTMENT

REQUIREMENT: ONE YEAR OF COMPUTER SCIENCE IS REQUIRED

Grade 9	Grade 10	Grade 11	Grade 12
Information Technology H	Information Technology H	Computer Software Applications I R	Computer Software Applications II R
Computer Science I R (Visual Basic)	Computer Science I R (Visual Basic)	Computer Science II R (Java Programming)	Computer Science III R (HTML)
		AP Computer Science (Java Programming)	Computer Science III R (HTML)

RECOMMENDED SEQUENCE

OPTION 1: Information Processing

Information Technology
 Computer Software Applications I
 Computer Software Applications II

OPTION 2: Computer Programming

Computer Science I
 Computer Science II
 Computer Science III

668101R REG INFORMATION TECHNOLOGY 1 CREDIT

This course builds upon freshman Info Tech classes taking students into the more advanced capabilities of Word and Excel. In addition, there is heavy emphasis on database structures. An integrated software package including a word processor, electronic spreadsheet, graphics, and electronic presentation programs are used. Skills acquired in this class facilitate the successful completion of research and presentation projects assigned in core courses; are helpful tools in college; and increase employability aptitude. Students prepare for and are encouraged to take the MCAS certification in this course.

Prerequisite: 10TH grade standing

735101R REG COMPUTER SOFTWARE APPLICATIONS I (DESKTOP PUBLISHING) 1 CREDIT

Desktop publishing uses special software and printers to produce professional-looking flyers, event tickets, and booklets for publication. This course allows students to progress from relatively easy applications of page design, such as producing a flyer, to developing a full-blown publication. Realistic projects throughout the school year will provide students with experiences that utilize desktop publishing concepts. The integration of graphics and text is stressed throughout the course. During the course, students are provided opportunities to participate in job shadowing and internships. Students prepare for and are encouraged to take the MCAS certification in this course.

Prerequisite: Information Technology or Computer Science I

735201R REG COMPUTER SOFTWARE APPLICATIONS II (WEB PAGE DESIGN) 1 CREDIT

This course builds on previous computer skills. Web Pages/Sites are created using but not be limited to Dream Weaver and Photoshop/Image Ready. Students have access to the internet for research and publication, learn fundamental researching strategies, retouch photos and learn to animate graphics. Students prepare independent projects incorporating photographs, dynamic images and page design into web pages on topics that integrate computer applications across the curriculum for an engaged learning component. During the course, students are provided opportunities to participate in job shadowing and internships. Students prepare for and are encouraged to take the MCAS certification in this course.

Prerequisite: Information Technology or Computer Science I

798101R	REG	COMPUTER SCIENCE I (VISUAL BASIC PROGRAMMING)	1 CREDIT
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Like math and logic? Would you rather create game animations rather than play them? This course, using Visual Basic and Alice, presents programming concepts and techniques utilizing the sciences and applied mathematics to learn how a computer actually performs calculations, searches and sorts data. Throughout this course, vocational ethics, general skills, transition skills and job skills are integrated.

Prerequisite: 10TH grade standing

798201R	REG	COMPUTER SCIENCE II (JAVA PROGRAMMING)	1 CREDIT
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This course enhances computer programming techniques presented in the Visual Basic Programming course. This is an introductory course in the JAVA language. Advanced programming techniques are presented. This course provides the fundamentals necessary for transition to the Advanced Placement Computer Science course.

Prerequisite: Computer Science I or Information Technology

798301R	REG	COMPUTER SCIENCE III (HTML PROGRAMMING)	1 CREDIT
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What are all those tags that make a website work? This course introduces HTML programming basics, the code behind the creation of web pages. Students incorporate graphics, links, page design techniques, and multimedia into the development of web pages. In addition, students learn how to enhance web pages using cascading style sheets and JavaScript to add dynamic capabilities to web sites.

Prerequisite: Computer Science I or Information Technology

Advanced Placement classes at Von Steuben are the equivalent of an introductory college course. Students enrolled in an AP course are expected to undertake the challenge of an increased reading and work load, more independent work, and extended writing assignments. All students enrolled in an AP course will take the Advanced Placement exam in May. **There is a \$25 test materials fee for the AP exam.** If the student qualifies for free and reduced lunch based on the submitted lunch application he/she may request a fee waiver.

476101A	ADV	ADVANCED PLACEMENT COMPUTER SCIENCE (JAVA)	1 CREDIT
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This college-level computer science course emphasizes programming methods using Java. Java is the vehicle for implementing computer-based solutions to real problems. JAVA provides a standard mechanism for emphasizing and implementing computational ideas. It includes the study of algorithms, data structures, and data abstraction. The primary purpose of the course is to provide a conceptual background in computing and computer science. Students enrolled in this course take the Advanced Placement exam. Students will take the Advanced Placement Exam.

Prerequisite: Computer Science I and instructor consent

More than three absences in any quarter may disqualify students for registration in any AP course.

WORLD LANGUAGES DEPARTMENT

REQUIREMENT: TWO YEARS OF THE SAME LANGUAGE

If your child selects a foreign language for his/her freshman year he/she is committed to taking the same language for four consecutive years.

Grade 9	Grade 10	Grade 11	Grade 12
Chinese I H	Chinese II H	Chinese III H	Chinese IV H
Chinese I R	Chinese II R	Chinese III R	Chinese IV R
	Chinese I H		
	Chinese I R		
French I H	French II H	AP French Language and Composition	AP French Language and Composition
French I R	French II R	French III H	French IV H
	French I H	French III R	French IV R
	French I R	French II H	French III H
		French II R	French III R
			French II H
			French II R
Spanish I H	Spanish II H	AP Spanish Language and Composition	AP Spanish Language and Composition
Spanish I R	Spanish II R	AP Spanish Literature	AP Spanish Literature
Spanish for Spanish Speakers I H	Spanish for Spanish Speakers II H	Spanish II H	Spanish III H
Spanish for Spanish Speakers I R	Spanish for Spanish Speakers II R	Spanish II R	Spanish III R
	Spanish I H	Spanish III H	Spanish IV H
	Spanish I R	Spanish III R	Spanish IV R
	Spanish for Spanish Speakers I H	Spanish IV H	Spanish for Spanish Speakers III H
	Spanish for Spanish Speakers I R	Spanish IV R	Spanish for Spanish Speakers III R
		Spanish for Spanish Speakers II H	
		Spanish for Spanish Speakers II R	
		Spanish for Spanish Speakers III H	
		Spanish for Spanish Speakers III R	

540101R REG CHINESE I 1 CREDIT

Note: Class cannot be taken as an elective

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.

540101H HON CHINESE I 1 CREDIT

Note: Class cannot be taken as an elective

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.

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.

540401H HON CHINESE IV 1 CREDIT

This is a rigorous course designed to help students expand on previous knowledge of the Chinese language. Students' skills will advance to an intermediate high level, and they will be able to better interact with a native speaker using vocabulary and coping strategies to comprehend novel sentences and passages from authentic material. Students will also improve their ability to communicate in writing and speaking to relate experiences, opinions, and plans in a paragraph-length discourse. Students will increase their familiarity with vocabulary and expressions useful for a wider variety of topics.

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.

Prerequisite: Chinese III and recommendation of Chinese language instructor.

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: Class cannot 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

552401R REG FRENCH IV 1 CREDIT

552401H HON FRENCH IV 1 CREDIT

This advanced course builds on previous language skills learned in levels I, II and III. 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 French-speaking world. Video conferencing, internet activities, and field trips will provide students with opportunities to improve their French outside of the classroom.

548301R REG SPANISH FOR HERITAGE SPEAKERS III 1 CREDIT

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.

Prerequisites: Satisfactory completion of Level I and II or recommendation of current world language teacher.

548401R REG SPANISH FOR HERITAGE SPEAKERS IV 1 CREDIT

This course is for students to master Spanish language speaking, listening, reading, and writing skills. They will apply grammar lessons to formal and various situations read and analyze a wide variety of literary genres including major authors of the Spanish speaking world. They will also compose personal and on-demand texts, listen to and speak about a variety of real-world scenarios where Spanish is used. Students will use critical thinking skills to analyze and discuss issues that affect the various Spanish-speaking cultures of the world.

Prerequisites: Satisfactory completion of Level I, II and III or recommendation of current world language teacher.

Advanced Placement classes at Von Steuben are the equivalent of an introductory college course. Students enrolled in an AP course are expected to undertake the challenge of an increased reading and work load, more independent work, and extended writing assignments. All students enrolled in an AP course will take the Advanced Placement exam in May. **There is a \$25 test materials fee for the AP exam.** If the student qualifies for free and reduced lunch based on the submitted lunch application he/she may request a fee waiver.

578101A ADV ADVANCED PLACEMENT SPANISH LANGUAGE & COMPOSITION 1 CREDIT

This college-level course encompasses all the elements of proper grammar, creative writing, reading comprehension, oral discourse (presentations), and listening skills. Students will take the Advanced Placement Exam

Prerequisite: Spanish for Spanish Speakers plus recommendation of Mr. Herrera, Ms. Rivas or Mr. Galiano. (More than three absences in any quarter may disqualify students for registration in any A.P course).

579101A ADV ADVANCED PLACEMENT SPANISH LITERATURE 1 CREDIT

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.

FINE ARTS DEPARTMENT

REQUIREMENT: ART OR DRAFTING -AND- MUSIC, BAND, OR CHORUS

Grade 9	Grade 10	Grade 11	Grade 12
Drama I R	Drama I R	Drama I R	Drama IR
		Drama II H	Drama II H
		Art R	Art R
		Drafting R	Drafting R
	General Music R	General Music R	General Music R
Beginning Band R	Advanced Band R	Advanced Band II R	Advanced Band III R
	Intermediate Band R	Intermediate Band	Advanced Band II R
	Beginning Band R	Advanced Band R	Advanced Band I R
Beginning Mixed Chorus	Advanced Mixed Chorus	Vocal Music (Recommendation Required)	Vocal Music Recommendation Req
	Beginning Mixed Chorus	Advanced Mixed Chorus (Recommendation Req)	Advanced Mixed Chorus Recommendation Req

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.*

625101R REG DRAFTING 1 CREDIT
 Drafting introduces the student to technical and scientific drawing skills. The student will also learn how to do problem analysis and problem solving. This course will include an introduction to computer aided drafting (CAD) on Auto Cad 2002.

133101R 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 plays, and attend performances. This class will focus on the elements of drama; the study of acting, scene study, monologue, original performance, and the characteristics of theatre.

133202H HON DRAMA II 1 CREDIT
 This course is designed for students to further the understanding of drama to various types of plays, stage techniques, performance, and production. Students in this class will read plays, perform plays, and attend performances. This class will focus on the elements of drama; the study of acting, scene study, monologue, original performance, and the characteristics of theatre.

955101R REG GENERAL MUSIC 1 CREDIT
 This course is a study of basic music components, music history, music reading and listening. The course objective is to enhance the student's overall understanding and appreciation for the performing arts.

938101R REG BEGINNING BAND (NO STRING INSTRUMENTS) 1 CREDIT
 Students will learn to play various instruments (excluding strings) of their choice. Prior music experience is welcomed, but not required. Beginning band may be substituted for general music as a graduation requirement.
Freshman and sophomore students only

948101R REG INTERMEDIATE BAND 1 CREDIT
 Students in their second year of instrumental instruction, demonstrate instrumental proficiency by performing secondary parts in contests, assemblies and evening programs. Public performances with the band are required.
Prerequisite: Recommendation of Mr. Walker

958101R REG 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.

Prerequisite: Intermediate instrumental technique and recommendation of Mr. Walker

958201R REG 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.

Prerequisite: Advanced instrumental proficiency and recommendation of Mr. Walker

958301R REG 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.

Prerequisite: Advanced instrumental proficiency and recommendation of Mr. Walker

956101R REG BEGINNING MIXED CHORUS 1 CREDIT

Students learn the techniques of group singing through appropriate choral literature. Chorus may be substituted for general music as a graduation requirement. Students are required to perform in contest, assemblies, and evening programs. This class is designed for Freshman and Sophomores.

Prerequisite: Freshman and Sophomores

966101R REG ADVANCED MIXED CHORUS I 1CREDIT

Students, in their second year of vocal music, learn advanced vocal techniques and choral literature. Concert Choir is enrichment elective. Students are **required** to perform in contest, assemblies, and evening programs. Entrance is by audition with Mr. Gabor. Only students who pass the audition are allowed into the group. Students should have completed Beginning Chorus prior to taking advanced chorus but exceptions can be made on the strength of the audition.

Prerequisites: Audition

966201R REG ADVANCED MIXED CHORUS II (Vocal) 1CREDIT

Students in their third and fourth year of vocal music learn advanced vocal techniques and choral literature. Vocal Music is an enrichment class. Students are required to perform in contests, assemblies, and evening programs. Students can earn an honors credit in this class if they participate in the Chicago Public Schools Music Performance Festivals both solo and ensemble.

Prerequisite: Recommendation of Mr. Gabor

PHYSICAL EDUCATION DEPARTMENT

REQUIREMENT: TWO YEARS REQUIRED FOR GRADUATION

Grade 9	Grade 10	Grade 11	Grade 12
Physical Education and Health R	Physical Education and Health II (Drivers Ed) R	Physical Education III	Physical Education IV

990101R	NON	PHYSICAL EDUCATION AND HEALTH – BOYS	1 CREDIT
990101R	NON	PHYSICAL EDUCATION AND HEALTH - GIRLS	1 CREDIT

990201R	NON	PHYSICAL EDUCATION AND HEALTH II - DRIVERS EDUCATION	1 CREDIT
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990301R	NON	PHYSICAL EDUCATION III	1 CREDIT
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This course will introduce students to various individual and team sports with an emphasis on physical fitness and lifetime activities.

Prerequisite: 11th grade standing

990401R	NON	PHYSICAL EDUCATION IV	1 CREDIT
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This course provides an understanding of the principles and benefits behind physical fitness through active weight training and sports. This course will take students through rigorous workouts and sports related activities.

Prerequisite: 12th grade standing

ADVANCEMENT VIA INDIVIDUAL DETERMINATION (AVID)

REQUIREMENT: Voluntary program for students who meet certain criteria detailed on AVID page at www.vonsteuben.org

Grade 9	Grade 10	Grade 11	Grade 12
	AVID II	AVID III	AVID IV
	AVID II	AVID III	AVID IV

194201R	AVID 10	1 CREDIT
194301R	AVID 11	1 CREDIT
194401R	AVID 12	1 CREDIT

Advancement Via Individual Determination (AVID) focus more on writing and College Readiness Standards (CRS) which will better prepare the students for various standardized examinations taken for college admissions. AVID students research colleges and careers before going on field trips to various institutions of higher learning. These students should expect two hours of studying per night for all classes, take Cornell notes in class every day and maintain a three-ring binder with class notes from each academic course.

CITYWIDE PROGRAMS AND AFFILIATIONS

Gifted Programs

You must apply and be accepted for these classes through the Board of Education Gifted Office. These classes must be elected through consultation with your counselor. Applications may be obtained at: <http://www.37advanced.org/apply.html>.

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 Education Program

The Chicago Public Schools’ Gallery 37 Advanced Arts Education Program is designed to provide artistically talented students with in-depth instruction and career guidance from professional visual, performing, and culinary artists living and working in Chicago. At the conclusion of a year of study, two credits toward graduation are awarded to students who successfully meet the course objectives. Classes meet five days per week, from 2:00 pm. until 4:00 p.m., during the entire school year at the Gallery 37 Center for the Arts, 66 East Randolph Street **unless otherwise indicated in the description in red**. Students receive bus passes daily for travel purposes.

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

STUDIO DRAWING AND PAINTING: AP PORTFOLIO PREPARATION, SCHOOL OF THE ART INSTITUTE 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 AP PORTFOLIO PREPARATION, URBAN GATEWAYS 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: AP PORTFOLIO PREPARATION, COLUMBIA COLLEGE CHICAGO 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, LILL STREET STUDIOS 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, UNIVERSITY OF ILLINOIS AT CHICAGO 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, UNIVERSITY OF ILLINOIS AT CHICAGO 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, UNIVERSITY OF ILLINOIS AT CHICAGO CREDITS VARY

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

DANCE EXPRESSIONS: MODERN, JAZZ AND BALLET, THE JOFFREY BALLET 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, CHICAGO SYMPHONY ORCHESTRA 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, UNIVERSITY OF ILLINOIS AT CHICAGO 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, THELONIOUS MONK INSTITUTE OF JAZZ CREDITS VARY

Forming two jazz combos, the 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, ILLINOIS INSTITUTE OF ART 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.

CHICAGO POLICE & FIREFIGHTERS ACADEMY CREDITS VARY

This is a four-year program that begins in the junior year and continues with a two-year college component after high school graduation. Completion of the four-year program allows students to be eligible to become certified as police officers or firefighters. Participants will be placed in summer internships during July and August. 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 C.P.F.T.A. are released from 8th period to attend the class after school.

Prerequisite: 11th and 12th grade with at least a 2.5 GPA, 90% attendance rate, and approval of counselor.