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## CAREER AND TECHNICAL EDUCATION

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Dear Parents,

While the Steinmetz staff is dedicated to providing the best possible educational experience for your children, you also have a role in helping them make sound educational decisions which are necessary to meet their goals. It is important for you to discuss with them the available programming options which help maximize their potential as successful students. Our staff is ready to assist you and your child in ensuring that the best possible educational program has been selected. This booklet, which contains important programming information, is provided to assist you in making choices about your child’s course program. Please review it carefully with your child and speak with your child’s counselor if you need further assistance.

The Chicago Public Schools has defined the curriculum requirements for graduation. The courses taken in high school focus on high standards and basic academic knowledge. These courses give both marketable and practical skills. The core courses emphasize the fundamental subject areas of English, mathematics, science, and social science. In addition, students take a world language, art or drafting, music, physical education/health or ROTC, and experience a program of career development to explore, understand and prepare for the numerous career choices available. With these courses, students will be able to meet entrance requirements at all colleges as well as have the necessary skills to enter the workplace.

In addition to the regular academic core and rigorous instructional program, Steinmetz College Prep offers three magnet programs. These programs, based on the “schools within a school” model, provide students with options to acquire advanced academic training.

The International Baccalaureate Middle Years Programme (MYP) offers freshmen and sophomore students rigorous academic challenges, holistic life skills, respect for world cultures and entry to the IB Diploma Program.

The International Baccalaureate Diploma Programme offers junior and senior students rigorous academic challenges, a comprehensive, skills based, international curriculum and the opportunity to compete for scholarships at the most prestigious universities both here and abroad.

The JROTC Academy provides a small school environment of focused learning guided by a team of mentoring teachers and military teaching partners. The program aims to build self-discipline, self-esteem, leadership, communication, and teamwork skills while focusing on a curriculum for college-bound students.

Advanced Placement Courses provide an opportunity for students to experience college level work and earn high honors credit. By passing the College Board advanced placement test for a subject area, students may bypass entry level courses at university. Advanced placement courses are open to all students. We offer courses in English, math, science, art, history, and world languages.

This catalog, designed to ease the task of subject selection, presents a clear picture of what Steinmetz College Prep has to offer. It is our desire that your child, upon graduation from Steinmetz, will be prepared to enter the world of work, pursue further technical training, or enter the college of his or her choice.

Stephen Ngo, Principal
SUPPORT STAFF & SPECIAL PROGRAMS

BILINGUAL COORDINATOR
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INTERNATIONAL BACCALAUREATE DIPLOMA PROGRAMME COORDINATOR
Nancyanne Ferrarini 773-534-2911

INTERNATIONAL BACCALAUREATE MIDDLE YEARS PROGRAMME COORDINATOR
Katherine Doyle 773-534-2911

JROTC ACADEMY DIRECTOR
Col. John Baynes 773-534-3030 x25228

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School Nurse Nancy Konrad, x 25209M, Th, & F
School Psychologist Dr. Pam Davis, 534-3342
(Mon & Thurs)
SPECIAL PROGRAMS

INTERNATIONAL BACCALAUREATE DIPLOMA PROGRAMME

The International Baccalaureate Diploma Programme is a challenging, two year college preparatory curriculum open to highly motivated, academically accelerated junior and senior students. Students develop the ability to understand, respect, value and celebrate world cultures. Students who participate in the program may earn the prestigious IB Diploma, which is recognized by colleges and universities in more than 100 countries.

INTERNATIONAL BACCALAUREATE MIDDLE YEARS PROGRAMME

The International Baccalaureate Middle Years Programme offers freshmen and sophomore students an accelerated, integrative, holistic academic program focusing on internationalism, intercultural awareness and communication. The five areas of interaction within the disciplines promote the growth of personal values while continuing the focus of skill development and the acquisition of knowledge. The completion of the personal project is required for all sophomore MYP students. The International Middle Years Programme offers opportunity to enroll in the Diploma Program. This program requires an admissions application.

JROTC COLLEGE PREPARATORY ACADEMY

The JROTC Academy provides a unique learning experience for highly motivated students capable of working in a structured environment. Academy students are guided by a team of dedicated mentor teachers and retired military instructors. The curriculum is an intensive, rigorous college preparatory curriculum composed of honors classes in the core subjects of Mathematics, English, Science, and Social Studies. JROTC Academy students are required to adhere to strict rules of behavior and personal appearance and are required to wear uniforms. Uniforms are provided at government expense. There are no fees or tuition associated with the program.

The focus of the Academy is citizenship, management, and the practical application of leadership skills. Students are expected to matriculate to university. The department sponsors a drill team, color guard, and a student staff.

Admission to the Academy is by application only.
ART
Gina Szulkowski, Chair

Drafting Orientation
COURSE NO.: 625101R
YEAR LEVELS: 9, 10, 11, 12
PREREQUISITE: None
CREDIT: 1
BOOK: None
This course is designed to introduce basic drawing skills common to the Drafting, Engineering and Architecture industry by utilizing traditional and computer-aided design (CAD). The student will learn to measure, and read technical drawings such as floor plans and blueprints. This class satisfies the ART graduation requirement and is essential for those who wish to pursue a career in technical art, design, or manufacturing.

Studio Art Drawing/Painting I
COURSE NO.: 921101R
YEAR LEVELS: 10, 11, 12
PREREQUISITE: None
CREDIT: 1
BOOK: None
This studio course develops and strengthens visual literacy by exploring methods to communicate through drawing and painting. This is the intermediate class leading to A.P. Art.

Studio Art Drawing/Painting II
COURSE NO.: 921201H
YEAR LEVELS: 10, 11, 12
PREREQUISITE: 921101R
CREDIT: 1
BOOK: None
This studio course develops and strengthens visual literacy by exploring methods to communicate through drawing and painting. This is the intermediate class leading to A.P. Art.

AP Studio Art: Drawing Portfolio
COURSE NO.: 916101A
YEAR LEVELS: 12
PREREQUISITE: 921101R and Recommendation Form
CREDIT: 1
BOOK: None
This course is an advanced class which will enhance the skills and techniques learned in the Studio Art Courses. More complex projects will allow students to demonstrate individual creativity and problem solving as well as developing their artistic style and voice. Students will develop a portfolio showing artistic growth. This course culminates in the College Board’s advanced placement test for this subject.

3D Ceramics Design I
COURSE NO.: 917101R
YEAR LEVELS: 10, 11, 12
PREREQUISITES: 915101R
CREDIT: 1
BOOK: None
This studio course will cover basic clay techniques. Students will learn the history of ceramics as they learn how to create/build vessels, sculptures. This class is an intermediate step leading to A.P. Art.

3D Ceramics Design II
COURSE NO.: 917201H
YEAR LEVELS: 10, 11, 12
PREREQUISITES: 917101R
CREDIT: 1
BOOK: None
This studio course will cover basic clay techniques. Students will learn the history of ceramics as they learn how to create/build vessels, sculptures. This class is an intermediate step leading to A.P. Art.

Art Yearbook Design I
COURSE NO.: 915141R
YEAR LEVELS: 11, 12
PREREQUISITES: Approval of Mr. Edwards
CREDIT: 1
BOOK: None
Students will design and produce the school yearbook. You will attend lots of school events and take lots of photographs!

Drama
COURSE NO.: 973101R
YEAR LEVELS: 11, 12
PREREQUISITES: Approval of Ms. Meunier
CREDIT: 1
BOOK: None
This is an introductory level course where students learn to appreciate diverse aspects of the discipline of theater. Students are introduced to acting, voice, improvisation, and script analysis. The course helps students to contextualize the theatrical experience through examination of theater history, and texts, as well as the process and product of staging performances. The course includes exposure to live theatrical production.

BILINGUAL EDUCATION
Yuridia Espinosa, Director

Mathematics, Science and Social Science classes are offered in a Sheltered English setting.

English as a Second Language I
10X Course
COURSE NO.: 185101R
YEAR LEVELS: 9, 10, 11, 12
PREREQUISITES: Bilingual Coordinator Placement
BOOK: Milestones, Level A
CREDIT: 2 English Credit

English as a Second Language II
(Taken in conjunction with ESL Communications II Course)
COURSE NO.: 186201R
YEAR LEVELS: 9, 10, 11, 12
PREREQUISITES: Bilingual Coordinator Placement
CREDIT: 1 English Credit
BOOK: Milestones, Level B
Students in ESL II will continue to develop basic communicative, cognitive and academic skills in English. Focus will be on listening, comprehension, reading, speaking, and writing combined with a strong emphasis on English grammar as an essential component. In addition, formal introduction to authentic literature will begin.

**ESL Communications II**  
(Taken in conjunction with English as a Second Language II Course)  
COURSE NO.: 167201R  
YEAR LEVELS: 9, 10, 11, 12  
PREREQUISITES: Enrollment in 186201R  
CREDIT: 1  
BOOK: In class set  
This course focuses on cognitive skills development in the areas of listening, speaking, reading, and writing.

**English as a Second Language III**  
(Taken in conjunction with ESL Communications III Course)  
COURSE NO.: 186301R  
YEAR LEVELS: 9, 10, 11, 12  
PREREQUISITES: Bilingual Coordinator Placement  
CREDIT: 1  
BOOK: Milestones, Level C  
Students in ESL III will refine cognitive skills in the areas of listening, speaking, reading and writing. Focus will be on listening, comprehension, reading, speaking, and writing combined with a strong emphasis on English grammar as an essential component. The ESL III curriculum prepares students for transition into a mainstream English I class or, if needed into a Transitional English I class.

**ESL Communications III**  
(Taken in conjunction with English as a Second Language III Course)  
COURSE NO.: 167301R  
YEAR LEVELS: 9, 10, 11, 12  
PREREQUISITES: Enrollment in 186301R  
CREDIT: 1  
BOOK: In class set  
This course focuses on cognitive skills development in the areas of listening, speaking, reading, and writing.

**Computer Information Technology**  
COURSE NO.: 719101R  
YEAR LEVEL: 10, 11, 12  
PREREQUISITE: None  
CREDIT: 1  
BOOK: In class set  
This introductory computer course provides skills needed to complete various word processing, spreadsheet, and Power Point assignments. In addition students will earn their consumer education graduation credit which is a requirement for graduation. Students will also learn basic programming, complete interdisciplinary projects, and learn to use the Internet responsibly to complete class research projects.

**Web Design**  
COURSE NO.: 719201R  
YEAR LEVEL: 10, 11, 12  
PREREQUISITE: Passing Grade in Information Technology - 719101R  
ELECTIVE CREDIT: 1  
BOOK: In class set  
In this course students will gain basic knowledge of HTML. Students are introduced to programming technologies, and gain basic vocabulary and knowledge for discussing the technology landscape. Students will also learn intermediate programming, complete interdisciplinary projects, and learn to use the Internet responsibly to complete class research projects. In addition students who have not earned their consumer education requirement for graduation will be able to complete the requirement in this class.

**ENGLISH**  
Patricia Stuber, Chair

**Reading Workshop**  
COURSE NO.: 126101R  
YEAR LEVEL: 9  
PREREQUISITE: None  
CREDIT: 1  
BOOK: In class sets  
This course provides intensive practice applying literacy strategies to the kinds
of nonfiction texts encountered in high school coursework and real life. Grammar, vocabulary and nonfiction text structure comprehension strategies are emphasized. Students will read a variety of materials that support that support English I Regular curriculum.

**English I**

**COURSE NO.:** 184101R/H  
**YEAR LEVEL:** 9 only  
**PREREQUISITE:** None  
**CREDIT:** 1  
**BOOK:** Language, Literacy & Inquiry; Writer’s Choice Ruby Level  
The first in a sequence of English courses, the focus of English I is language, literacy, and inquiry. Vocabulary, grammar, and writing are integral. Students practice a variety of literacy strategies with many literary genre.

**English II**

**American Literature**

**COURSE NO.:** 184201R/H  
**YEAR LEVEL:** 10 only  
**PREREQUISITE:** 184101R  
**CREDIT:** 1  
**BOOK:** Language, Literacy & Inquiry; Writer’s Choice Green Level  
The second in a sequence of English courses, the focus is to extend the skills and concepts of English I and to work with themes and topics in American Literature.

**English III**

**British Literature**

**COURSE NO.:** 184301R/H  
**YEAR LEVEL:** 11 only  
**PREREQUISITES:** 184101R, 184201R  
**CREDIT:** 1  
**BOOK:** TBA  
The third in a sequence of English courses, the focus is to extend the skills and concepts of English II and to work with themes and topics in British Literature.

**English III AP Literature and Composition**

**COURSE NO.:** 170101A  
**YEAR LEVEL:** 11  
**PREREQUISITE:** 184201H  
**CREDIT:** 1  
**BOOK:** Writing About Literature  
Student Choice for Inquiry Project  
College level studies include speaking, listening, reading, and writing assignments with the focus on the critical analysis of British literature from various genres. The focus of student writing in this course emphasizes the elements and techniques of literary analysis. College credit is given to those who score adequately on the Advanced Placement English test in May.

**English IV**

**WORLD LITERATURE**

**COURSE NO.:** 184401R/H  
**YEAR LEVEL:** 12  
**PREREQUISITES:** 184301R  
**CREDIT:** 1  
**BOOK:** World Literature  
Novels, short stories, poems, dramas, and essays by famous American, Hispanic, European, Asian, and African writers from the Golden Age of Greece through the Modern period will be read. Emphasis will be placed on recognition, understanding, analyzing, and appreciating the universal elements of human nature and the cultural influences on man. A research paper is required.

**English IV AP Language and Composition**

**COURSE NO.:** 175101A  
**YEAR LEVEL:** 12  
**PREREQUISITE:** 184301H  
**CREDIT:** 1  
**BOOK:** The Bedford Reader  
College level studies include speaking, listening, reading, and writing assignments with the focus on the critical analysis of world literature from various genres. A written, in-depth, objective research paper is required, and it is also presented orally in a seminar setting. This course culminates in the College Board’s Advanced Placement test for this subject. College credit is given to those who score adequately on the Advanced Placement English test in May.

**Shakespeare Studies**

**COURSE NO.:** 108101H  
**YEAR LEVEL:** 11,12  
**PREREQUISITE:** None  
**BOOK:** The Essential Shakespeare  
So you think Shakespeare is boring, huh? That crazy language is too hard for you to handle? Not in this class! In Shakespeare Studies you will not only read the Bard’s classics, but you’ll use your own energy and creativity to bring his plays to life! The class includes papers and tests, yes, but also discussions, debates, on-your-feet activities and performances. You will also compare film versions of the plays – both traditional and modernized – as well as taking field trips to experience Shakespeare’s works as they were intended – on stage!!

**Journalism**

**COURSE NO.:** 132101R  
**YEAR LEVEL:** 11,12  
**PREREQUISITE:** None  
**ELECTIVE CREDIT:** 1  
**BOOK:** None  
Want to have a voice? Looking to publish? Help create the school’s newspaper. Work on current topics, write editorials, do interviews, and have fun getting the message out!

**College Prep**

**COURSE NO.:** 006611R  
**YEAR LEVEL:** 12  
**PREREQUISITE:** None  
**ELECTIVE CREDIT:** 1  
**BOOK:** None  
College Prep is a comprehensive and mandatory course for all seniors. This course focuses on post secondary education, and students will explore and thoroughly 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 and matching with colleges, writing personal statements, submitting applications and financial aid forms, applying for scholarships and 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, and financial education.
DIGITAL MEDIA
Michael Edwards, Chair

CTE Digital Media I
COURSE NO.: 693101R
YEAR LEVEL: 10/Must be followed by Graph. Comm. II in Grade 11
PREREQUISITE: None
CREDIT: 1
BOOK: None

The course provides students with an overview of the field of Graphic Arts in relation to the Printing Industry. Students create basic project projects using computer programs such as: Adobe Creative Suite (Acrobat, Illustrator and Photoshop) and Microsoft Office (Power Point and Word). Students acquire skills using the current operating system Mac OS X or Microsoft Windows. Students will leave course with a professional digital portfolio of completed projects.

CTE Digital Media II
(10X)
COURSE NO.: 693201R
YEAR LEVEL: 11/Must be followed by Adv. Graph. In Grade 12
PREREQUISITE: 68810
CREDIT: 1
BOOK: None

Students obtain a greater proficiency in graphic design for multimedia. Projects focus on deepening skills with a range of tools that are used in the professional graphic communications workplace. Sample projects designed by students include: calendars, collages, greeting cards, postcards and posters. A variety of media is used such as: Adobe Creative Suite (Acrobat, Illustrator, InDesign and Photoshop) Macromedia (Dreamweaver, Fireworks and Flash) and Microsoft Office (Excel, Power Point and Word). Students acquire skills using current operating systems: Mac OS X, Microsoft Windows and/or Open Source. Students will leave course with a professional digital portfolio of completed projects.

MATHEMATICS
Marie Chaparro, Chair

Algebra I
COURSE NO.: 413301R/H
YEAR LEVEL: 9
PREREQUISITE: None
CREDIT: 1
BOOK: N/A
This is an elementary algebra course, which targets state standards for math relative to grade nine. The course begins to develop the skills and problem solving abilities required for the successful.

Algebra Extended
COURSE NO.: 413201R
YEAR LEVEL: 9
PREREQUISITE: Taken in preparation for Algebra I, Placement based on scores
CREDIT: 1
BOOK: N/A
This is a companion course to Algebra I and provides multiple and alternative learning opportunities for key Algebraic concepts.

Geometry
COURSE NO.: 434101R/H
YEAR LEVEL: 10
PREREQUISITES: 413301R/H
CREDIT: 1
BOOK: N/A
This course addresses Euclidian and analytic geometry.

Math Lab
COURSE NO.: 491201R
YEAR LEVEL: 10
PREREQUISITES: None
CREDIT: 1
BOOK: N/A
Math Lab 1 is a tutorial class that supports students with their mathematics learning. Students will receive tutoring that builds mathematical skills, supports the content in their core math classes, and covers content directly aligned to Illinois state standardized. Each student works with a full-time tutor along with 1-2 peers in the same math class. The tutor has a college degree and is skilled in mathematics. The tutor spends time addressing individual student needs and reviews concepts that the student may not have previously mastered. This helps students feel more prepared for and exceed in the math classes needed for graduation. In addition, the course will help students build confidence with standardized math test content by exposing them to practice test situations, reviewing test-type questions, and helping students utilize test taking strategies.

Advanced Algebra 2/
Trigonometry
COURSE NO.: 432101R/H
YEARS LEVEL: 11
PREREQUISITES: 434101H
CREDIT: 1
BOOK: N/A
This course addresses polynomials, real and complex numbers, variation and proportion, exponential and logarithmic functions, sequences and series, elementary trigonometry, and the basics of Statistics and Probability.
This is an abridgement course that re-
views and reinforces concepts covered in
Algebra I and Geometry, as well as basic
skills as they pertain to real life situations
which students will encounter on the Prai-
rie State Exam and which meet the Illi-
nois State Learning Goals for mathemat-
ics relative to grade eleven. The course
will employ an interactive computer soft-
ware program, Plato, which is intended to
strengthen math skills, reading skills and
test taking skills and consequently im-
prove a student’s overall test taking abil-
ity.

MUSIC
Elizabeth Zaluba, Chair

Beginning Mixed Chorus
COURSE NO.: 956101R
YEAR LEVELS: 9, 10, 11
PREREQUISITE: None
CREDIT: 1
BOOK: None
No prior singing experience is required
for this boys’ and girls’ course. Students
will develop the fundamentals of good
vocal technique, correct posture, breath
control, and the ability to sing in 2-3 parts
through the performance of quality choral
literature. A minimum of two concert
performances is required.

Intermediate Mixed
Chorus
COURSE NO.: 959101R
YEAR LEVEL: 10, 11, 12
PREREQUISITES: 95610, or 94610
CREDIT: 1
BOOK: None
This course is designed for the student
who has had one year of beginning mixed
or girls’ chorus. The second level course
of chorus continues to develop vocal pro-
ficiency through more advanced choral
literature. Students will sing in 3-4 parts,
begin a cappella music, and sing in for-
eign languages. A minimum of two con-
cert performances is required.

Music Appreciation
COURSE NO.: 943101R
YEAR LEVELS: 9, 10, 11, 12
PREREQUISITE: None
CREDIT: 1
Students will understand the sensory ele-
ments, organizational principles and
ideas expressed in works of music.

Intermediate Band
COURSE NO.: 948101R
YEAR LEVELS: 10, 11
PREREQUISITES: 938101R or
performance evaluation
CREDIT: 1
Intermediate Band is the second level
performance based course in instrumen-
tal music. Students will continue per-
forming with their chosen instrument
and further the skills developed in Be-
ginning Band. Intermediate Band will
also serve to supplement the Marching
Band and the Advanced Concert Band.
Participation in all performances is re-
quired to complete the coursework.

Marching Band
COURSE NO.: 948201R
YEAR LEVELS: 9, 10, 11, 12
PREREQUISITE: None
CREDIT: 1
Marching Band is designed for students
who are prepared to perform inde-
pendently in an ensemble setting that
balances advanced and intermediate
level music with moderate to vigorous
physical activity to carry out drill and/or
parade formations. Course will prepare
students to perform for parades, football
games, and other athletic/ outdoor ven-
ues.
PHYSICAL EDUCATION
Ernest Mitropoulos, Chair

P.E. I/Health
COURSE NO.: 990101R
YEAR LEVEL: 9
PREREQUISITE: None
CREDIT: 1
BOOK: None
One semester is an activity class which includes softball, basketball, volleyball, soccer, and bi-weekly aerobic conditioning. Individual skills and basic rules and sports strategies are stressed. The other semester is classroom instruction on health topics, including hygiene, nutrition, physical fitness, family life, drug and alcohol addiction prevention, and peer pressure issues.

P.E. II/Driver’s Education
COURSE NO.: 990201R
YEAR LEVEL: 10
PREREQUISITE: Must pass four Core Credits during previous school year.
CREDIT: 1
BOOK: None
One quarter is devoted to the classroom phase of Driver’s Education. The remaining three quarters involve intermediate basketball, volleyball, beginning weight training, touch football, floor hockey and softball. Bi-weekly aerobic conditioning is emphasized.

P.E. II Walking/No Driver’s
Education
COURSE NO.: 9949111R
YEAR LEVELS: 9, 10
PREREQUISITE: None
CREDIT: 1
BOOK: None
Two semesters of activity are available for these students whom have deficiencies in credits. Students will be exposed to periodic conditioning updates. The two semesters involve intermediate basketball, volleyball, beginning weight training, touch football, floor hockey and softball. Bi-weekly aerobic conditioning is emphasized. Students are not exposed to Driver Education as stated in State Laws.

P.E. III Team Sports
COURSE NO.: 990301R
YEAR LEVEL: 11
PREREQUISITE: None
CREDIT: 1
BOOK: None
A class for young men and women who want to learn intermediate team sports skills and play in touch football, soccer, basketball, volleyball, floor hockey, weight training, badminton and softball.

P.E. IV Lifetime Sports
COURSE NO.: 990401R
YEAR LEVEL: 12
PREREQUISITE: None
CREDIT: 1
BOOK: None
A class for young men and women who want to learn advanced lifetime sports skills and play in touch football, soccer, basketball, volleyball, floor hockey, weight training, badminton and softball.

Intro to Strength and Conditioning
COURSE NO.: 994601R
YEAR LEVEL: 12
PREREQUISITE: None
CREDIT: 1
BOOK: None
A class for young men and women who want to learn the correlation of nutrition fitness and weight training.

JROTC
Col. Baynes, Commandant

JROTC LET 1
COURSE NO.: 991011R
YEAR LEVEL: 9
PREREQUISITE: ROTC Teacher Recommendation
CREDIT: 1
BOOK: None
The JROTC program is designed to teach high school students the value of citizenship, leadership, service to the community, personal responsibility, and a sense of accomplishment while instilling in them self-esteem, teamwork, and self-discipline. The curriculum is based on a systematic progression of learning that is designed to promote each cadet’s development at each grade level.

JROTC LET 2
COURSE NO.: 991021R
YEAR LEVEL: 10
PREREQUISITE: 991011R
CREDIT: 1
BOOK: None
The JROTC program is designed to teach high school students the value of citizenship, leadership, service to the community, personal responsibility, and a sense of accomplishment while instilling in them self-esteem, teamwork, and self-discipline. The curriculum is based on a systematic progression of learning that is designed to promote each cadet’s development at each grade level. The scope, focus, and content of the curriculum is sequential and builds upon the previous year’s learning.

JROTC LET 3
COURSE NO.: 991041R
YEAR LEVEL: 11
PREREQUISITES: 991011R, 991021R
CREDIT: 1
BOOK: None
The JROTC program is designed to teach high school students the value of citizenship, leadership, service to the community, personal responsibility, and a sense of accomplishment while instilling in them self-esteem, teamwork, and self-discipline. The curriculum is based on a systematic progression of learning that is designed to promote each cadet’s development at each grade level. The scope, focus, and content of the curriculum is sequential and builds upon the previous year’s learning.

JROTC-LET 4
COURSE NO. 991061R
YEAR LEVEL: 12
PREREQUISITE: 991041R
CREDIT: 1
BOOK: None
Senior cadets have the responsibility for leading and managing all of the activities of the JROTC department. They
are eligible for senior leadership positions in the JROTC Cadet Battalion and are eligible to be promoted up to rank of Cadet Lieutenant Colonel. Senior cadets also serve in senior positions on the cadet staff in the areas of plans. Training and operations; personnel administration, and logistics. This program provides opportunities for extensive practical leadership experience in leadership, planning, and management.

SCIENCE

Tara Dunne, Chair

Biology
COURSE NO.: 332101R/H
YEAR LEVELS: 9 only
PREREQUISITE: None
CREDIT: 1
BOOK: Biology
This general biology course is the first in a three-year science sequence — biology, chemistry, and physics — that is designed to assist students’ learning of essential scientific concepts and skills. This course will center around key concepts in the following areas: being a scientist, evolution, energy matter and organization, reproduction and inheritance in living systems, growth and differentiation in living systems and ecology. This course uses a model of study wherein ideas are developed through hands-on experience. The following steps are included in this model: Engage; Explore; Explain; Elaborate; Evaluate.

Chemistry
COURSE NO.: 334201R/H
YEAR LEVELS: 10 only
PREREQUISITE: None
CREDIT: 1
BOOKS: Chemistry In The Community
The chemistry program is designed to teach students the basic chemistry concepts, including structure of the atom and how this structure is related to the behavior and property of compounds. This course will use inquiry and technology to address essential concepts, to solve problems, and to show students the connection between chemistry and real world situations.

Physics
COURSE NO.: 333101R/H
YEAR LEVELS: 11
PREREQUISITE: None
CREDIT: 1
BOOKS: Conceptual Physics
Physics is the most basic of the sciences and it provides the foundation upon which all of the others are built. Before we delve into the worlds of chemistry, biology, or earth science, we must first understand the properties of matter, temperature, heat, waves, electricity, magnetism, and circuits. All of these are the domain of physics. Our course begins with the study of the scientific method. Next comes motion and all of its related topics such as force, energy, momentum, work, power, and machines. Then we reach the concepts of electrostatics, magnetism, circuits and the connection between them. Physics does stress the connection between mathematics and science, so a minimum of skills in algebra and geometry are useful

H Environmental Science
COURSE NO.: 339101H
YEAR LEVELS: 11
PREREQUISITES:
CREDIT: 1
BOOK:
This course is intended for students interested in better preparation for more advanced science courses such as Advanced Placement Biology or Advanced Placement Environmental Science. The course is a rigorous treatment that integrates a broad variety of science disciplines such as biology, ecology, chemistry, and physical science. It includes numerous, student-driven investigations designed to promote a more advance level of science practices and enhance literacy and self expression in the student. Students interested in college preparation should consider this course. The curriculum promotes awareness and understanding of environmental problems and demonstrates the interconnectedness of the world and its ecosystems. With its strong social science links, the course also relates important environmental issues to the lives of the students, their families, and the community. Although it is ideal for students intending to eventually major in a science at the post-secondary level, it is also incredibly valuable for non-science majors.

AP Environmental Science
COURSE NO.: 376101A
YEAR LEVELS: 12
PREREQUISITES:
CREDIT: 1
BOOK: Living In The Environment
The world’s current course of existence is not sustainable. The basic causes of today’s environmental problems are population growth, wasteful use of resources, and the tragedy of the commons, poverty, poor environment accounting and ecological ignorance. They are interconnected because of political and economic practices that are not equitable for various populations, in resource consumption and in technological applications. This course relies on the following themes: science as a process, energy processes underlying all ecological processes, the Earth as a single interconnected system, human ability to alter natural systems, the cultural and social context of environmental problems, and human survival being based upon practices that can achieve sustainable systems. This course culminates in the College Board’s advanced placement test for this subject.

Forensic Science
COURSE NO.: 302101R
YEAR LEVELS: 12
PREREQUISITE: None
BOOK: Forensic Science – Fundamentals & Investigations
Learn about science used to solve legal cases and crimes. This a multi-disciplinary field that addresses concepts in chemistry, zoology, anatomy, genetics, medicine, physics, mathematics, and sociology. The course emphasizes applying the scientific method to evaluate physical evidence. This course does not meet graduation requirement.
Earth and Space Science  
COURSE NO.: 335101R  
YEAR LEVELS: 12  
PREREQUISITES: None  
CREDIT: 1  
BOOK: Principles of Astronomy, Geology, Meteorology, and Oceanography  
You are invited to learn how the horse-hide nebula was formed, along with how to determine the age of a fossil. How does a beautiful crystal of calcium sulfate form? Why are we all the stuff of stardust? Students will learn and experience the mysteries of the heavens and earth. Through directed inquiry and experimentation, various topics of astronomy, geology, meteorology, and oceanography will be explored. The scientific method will be stressed in investigations performed in class, and thoughtful analysis will be applied to specific and exciting areas in Earth and Space Science. If you have ever wondered what the tenth planet might be, or how scientists use radio labeling to determine age, look no further. Want to take a ride?

Anatomy  
COURSE NO.: 391101R/H  
YEAR LEVELS: 12  
PREREQUISITE: Counselor Placement  
CREDIT: 1  
BOOK: Principles of Anatomy & Physiology  
Have you ever wondered what was inside a human body? Here is your chance to find out! This course will deal with the structure and function of the human body. In this course you will learn about the structure of the organs, how they function, and some common diseases and defects. Expect to get your hands dirty as the course involves activities including dissections!

AP Biology  
COURSE NO.: 372101A  
YEAR LEVEL: 12  
PREREQUISITES: 35510, 45310  
CREDIT: 1  
BOOK: AP Biology (Campbell & Reese)  
This advanced College Preparatory class will include an in-depth look at ecology, evolution and a survey of the diversity of organisms. This fast paced class will feature exploration of anatomy and physiology with an emphasis on interactive human functions. Discussions of medical and ethical implications will be revealed through up to date supplemental materials. Ecological principles will be explored through an ecology field trip. This course culminates in the College Board’s advanced placement test for this subject.

SOCIAL STUDIES  
Marcie Buckmaster, Chair  

World Studies  
COURSE NO.: 231101R/H  
YEAR LEVELS: 9 or 12  
PREREQUISITE: None  
CREDIT: 1  
BOOK: World Culture: A Global Mosaic  
This course focuses on current global issues taking place in Europe, Latin America, Africa, and Asia, and applies the Common Core College Readiness Standards for literacy, reading, and writing. Particular interest will focus on themes like War and Conflict; Terrorism; Competition for Global Resources; Genocide; Globalization; World Religions; and Human Rights. This course will help students understand current issues in the world through the lens of history, sociology, culture with a focus on current events. Students are required to take and pass the Consumer Ed Exam.

United States History  
COURSE NO.: 236101R/H  
YEAR LEVEL: 10  
PREREQUISITES: None  
CREDIT: 1  
BOOK: The Americans  
This is a survey course that applies the Common Core College Readiness Standards for literacy (reading and writing) and history. Students analyze the history of the United States through various themes like war, conflict, and imperialist expansion; social movements and struggles for equal rights; and political and economic trends over time. It is a required course offered at several levels, which surveys the major events in United States History from Reconstruction era through the contemporary period. There will also be a unit on the U.S. Constitution. Students are required to take and pass the Public Law 195 Exam.

Psychology  
COURSE NO.: 207101R/H  
YEAR LEVELS: 11  
PREREQUISITES: None  
CREDIT: 1  
BOOK: Why do people behave the way they do? Is personality the result of nature or nurture? Psychology applies the Common Core College Readiness Standards for literacy while studying every day human activity and interaction. This course focuses on individual behavior and why an individual thinks, feels, and reacts to certain stimuli and situations. Major emphases will be placed on stages in childhood and adolescence, how the brain works, development of personality, psychological testing, social psychology, and psychological disorders. Upon successful completion of this class, students will be able to understand the major themes in psychology and how it helps understand individual behavior.

Sociology  
COURSE NO.: 291101R/H  
YEAR LEVELS: 11  
PREREQUISITES: None  
CREDIT: 1  
BOOK: Why do groups of people behave in certain ways? What explains all of today’s social problems, like violence, gangs, poverty, discrimination, teen pregnancy? Where do people get their beliefs and social habits? Sociology applies the Common Core College Readiness Standards for literacy while studying every day human activity and interaction. Students will investigate
COURSE DESCRIPTIONS

the everyday life of human beings, and try to understand why groups in society act the way they do based on sociological analysis. Students will share ideas about human interaction within the home, school, workplace, and society, as well as learn about people in different cultures. Students will also learn about the causes of social problems found in today’s world. Upon successful completion of the course, students will be able to identify major social problems within the United States, describe different facets of those problems and defend positions and opinions they believe are important. Students are required to take and pass the Consumer Ed Exam.

Law in American Society
COURSE NO.: 280101R
YEAR LEVELS: 11
PREREQUISITES: None
CREDIT: 1
BOOK: Street Law
This course develops knowledge of American laws, especially from political, economic, legal and cultural perspectives. A companion course may be taken in senior year. Students are required to take and pass the Consumer Ed Exam.

AP Psychology
COURSE NO.: 271101A
YEAR LEVELS: 12
PREREQUISITES: None
CREDIT: 1
BOOK: Discovering French 1
AP Psychology is designed to introduce students to the scientific study of the behavior and mental processes of human beings. To accomplish this, the course provides instruction in each of the following 14 content areas: History and Approaches, Research Methods, Biological Bases of Behavior, Sensation and Perception, States of Consciousness, Learning, Cognition, Motivation and Emotion, Developmental Psychology, Personality, Testing and Individual Differences, Abnormal Psychology, Treatment of Psychological Disorders, and Social Psychology. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice in preparation for the College Board’s Advanced Placement test for this subject.

Civics
COURSE NO.: 213101R
YEAR LEVEL: 11
PREREQUISITES: None
CREDIT: 1
BOOK: The Americans
How do people get their political beliefs? Am I a Conservative or Liberal? What is government doing right now in the U.S that has a direct impact on my life? How can I get involved and make a difference? This is a year-long course that applies the Common Core reading, writing, and critical thinking skills needed to explore the practical knowledge and understanding of how our American government functions. Relevance to real life is the focus of this class, and how to connect to the democratic process as citizens of the United States. Students will be able to apply knowledge of the US Constitution and demonstrate their understanding of how the American system of government functions on the local, state and national levels as well as the impact on individual citizens. Students will also be able to demonstrate their understanding that US citizens have both rights and responsibilities in order for our government to maintain order in our society.

History of Chicago
COURSE NO.: 263101R
YEAR LEVELS: 12
PREREQUISITES: None
CREDIT: 1
BOOK: Chicago
The History of Chicago elective will be an in depth look at our local history, the history of Illinois, and how our city becomes the place we live in today. The city of Chicago is one of the largest, most successful, and influential cities in the world. Students will develop research and analysis skills by participating in the Chicago History fair competition. Students will be expected to spend a large amount of time outside of school to do research at public libraries, the Chicago Historical Society Library and Museum. Students are required to take and pass the Consumer Ed Exam.

Contemporary American History
COURSE NO.: 238101R
YEAR LEVELS: 11
PREREQUISITES: None
CREDIT: 1
BOOK: None
Contemporary American History is a survey course which analyzes the domestic and foreign policy issues of the United States since the turn of the century. Political, economic, and cultural issues are analyzed as they relate to the state of Illinois in particular and as they relate to the United States in general. Also emphasized is the role of the United States as a major power in a global context. Students will engage in various activities that will teach them to analyze the political, economic, geographical, and cultural systems and how they relate to world and United States history. Students will develop the ability to interpret and express ideas, recognize and investigate problems, formulate solutions, and learn to work independently and as a group member. Students are required to take and pass the Consumer Ed Exam.

WORLD LANGUAGES
Tanya Ramos, Chair

French I
COURSE NO.: 552101R
YEAR LEVELS: 9, 10, 11, 12
PREREQUISITE: None
CREDIT: 1
BOOK: Discovering French 1
Students will be introduced to the French language and acquire beginning level proficiency in oral and written communication. Students will also be exposed to the French culture and literature.

French II
COURSE NO.: 552201R
YEAR LEVELS: 10, 11 & 12
PREREQUISITE: 55210
CREDIT: 1
The course is geared toward preparing the students to pass the advanced placement exam in the Spanish language. Passing the A.P. exam will give students both high school and college credit. This course will be used for the Speakers III class. This course culminates in the College Board’s advanced placement test for this subject.

Special Programs

ONE GOAL

Neha Patel
Kimberly Daughenbaugh
Coordinator

ONE Goal 1

Course: Spanish
Course number: 578101A
Year levels: 11, 12
Prerequisites: 558101R, 558201R, 558301R or 548101R, 548201R or testing only
Credit: 1 (A.P. Credit)
Book: Nuevas Vistas Curso Uno

This course is geared toward preparing the students to pass the advanced placement exam in the Spanish language. Passing the A.P. exam will give students both high school and college credit. This course will be used for the Speakers III class. This course culminates in the College Board’s advanced placement test for this subject.
PREREQUISITE: None
CREDIT: 1
BOOK: Prentice Hall American Literature
This course will continue the exploration of literary genres and building the analytic skills developed in English I. Students will develop a greater understanding of the movements in literary criticism and will respond to literary works in a variety of ways. Students will collaborate on research projects integrating literature with the historical periods studied in U.S. History. Students learn to view literature through a variety of critical lenses, each of which looks at literature as both a product and shaper of social issues and forces.

MYP World Studies
COURSE NO.: 278101H
YEAR LEVEL: 9
PREREQUISITE: MYP Programme Acceptance
CREDIT: 1
BOOK: World Cultures: A Global Mosaic
This course is an in-depth study of how history and geography influence culture. Countries and geographic differences are linked by art, music, science and literature. World history and geography are a connecting link to all disciplines. Research, reading and writing skills and the use of technology are stressed.

MYP U.S. History
COURSE NO.: 278201H
YEAR LEVEL: 10
PREREQUISITE: MYP Programme Acceptance
CREDIT: 1
BOOK: The American Pageant
This course emphasizes the study of the U.S. from its colonial beginnings to contemporary culture. The course will focus on the impact of industrialization and urbanization with emphasis on the interdependence of all countries. Reading, writing, research and technology are stressed as well as problem solving and team building activities.

MYP Biology
COURSE NO.: 353101H
YEAR LEVEL: 9
PREREQUISITE: MYP Programme Acceptance
CREDIT: 1
BOOK: Biology (Prentice Hall)
In this course students will study biological phenomena, and the relationships between organisms and their living and non living environments. Students will comprehend and appreciate the basic concepts of the organization of species, the cyclical changes that take place in the life cycle of plants and animals, and the interdependence of all life forms. Reading, writing, research and technological skills will be stressed.

MYP Chemistry
COURSE NO.: 374101H
YEAR LEVEL: 10
PREREQUISITE: MYP Programme Acceptance
CREDIT: 1
BOOK: Chemistry (Holt)
The study of chemistry requires the use of inquiry and technological design to solve problems and to investigate phenomena. Chemists use math to describe the composition and transformation of substances. Relationships between variables may be expressed as equations and can be displayed by using graphs. The SI system of units is the measurement standard used to quantify physical variables. Laboratory safety and measurement techniques are of paramount importance in the study of chemistry.

MYP Algebra
COURSE NO.: 434401H
YEAR LEVEL: 9
PREREQUISITE: MYP Programme Acceptance
CREDIT: 1
BOOK: N/A
This course introduces the field axioms of algebra and explores propositions. Students develop models reflecting their understanding of math. They also apply problem solving skills, recognize, formulate, and describe equations focusing on the relevance of algebra to daily life.

MYP Geometry
COURSE NO.: 434401H
YEAR LEVEL: 10
PREREQUISITES: 413301H and
MYP Course Descriptions

MYP Programme Acceptance
CREDIT: N/A
BOOK: N/A
This course focuses on the development of logic through inductive and deductive reasoning. Euclidean and analytic geometry are studied. Students use logic to explore geometric concepts that relate a knowledge of geometry to other disciplines and to real life situations.

MYP Spanish I
COURSE NO.: 568101H
YEAR LEVEL: 9
PREREQUISITE: MYP Programme Acceptance
CREDIT: 1
BOOK: En Espanol 1 & 2
An introduction to basic language skills emphasizing vocabulary and the development of cultural awareness. Students will learn discriminatory listening skills and written expression.

MYP Spanish II
COURSE NO.: 568201H
YEAR LEVEL: 10
PREREQUISITE: 558101H and MYP Programme Acceptance
CREDIT: 1
BOOK: En Espanol 2 & 3
This is a continuation of Spanish I with emphasis on the development of reading, writing, and speaking skills through the study of Spanish literature. Students will also be able to extract and incorporate cultural influences linking Spanish to other core disciplines.

MYP Computer Technology
COURSE NO.: 787101H
YEAR LEVELS: 9 or 10
PREREQUISITE: MYP Programme Acceptance
CREDIT: 1
BOOK: In Class Set
This course is an overview of computer science. Topics include the basic concepts of Windows XP Operating System, file management techniques, word-processing, spreadsheets, database, presentations and internal related applications. Curricular activities are designed to support real-world applications and collaborative initiatives and group work within the disciplines.

MYP PE I
COURSE NO.: 992101R
YEAR LEVEL: 9
PREREQUISITES:
MYP Programme Acceptance
CREDIT: 1
Physical Education in the MYP encourages the understanding and importance of a balanced, healthy lifestyle. The students should develop knowledge, critical thinking and reflection skills and a sense of responsibility to long-term healthy living. The development of physical, social, personal, and emotional growth is promoted.

MYP PE II/Driver Education
COURSE NO.: 992201R
YEAR LEVEL: 9
PREREQUISITES:
MYP Programme Acceptance
CREDIT: 1
The second year of MYP Physical Education analyzes human performance critically. It addresses issues of international-mindedness and ethics by considering sport, exercise and health in relation to them individual and in a global context. One quarter is devoted to Driver Education.

MYP Art
COURSE NO.: 977101H
YEAR LEVELS: 10
PREREQUISITE: None
CREDIT: 1
Art is the first level performance based course in Art. Students will learn the historical and cultural history of art as they create projects designed to develop their drawing and painting skills.

IB HL History of the Americas
COURSE NO.: 278101A
YEAR LEVEL: 11
PREREQUISITE: None
CREDIT: 1
BOOK: A History of the World in the 20th Century
This course prepares students to complete IB history assessments at the higher level. Students will gain a comprehensive understanding of significant events, trends and movements in the history of the Americas. Students will complete an in-depth study of a historical subject as their internal assessment, which will be moderated by an external examiner.

IB HL 20th Century World Topics
COURSE NO.: 227101A
YEAR LEVEL: 12
PREREQUISITE: 27810
CREDIT: 1
BOOKS: 20th Century World, 20th Century World History Course Companion, History—20th Century
World: The Cold War, Peacekeeping
### IB HL Biology II
- **COURSE NO.:** 351201A
- **YEAR LEVEL:** 12
- **PREREQUISITE:** None
- **CREDIT:** 1
- **BOOK:** Heinemann Biology, Biozone I and II, Biology Course Companion

Through this course, students refine the investigative skills necessary to sustain a responsible position as caretakers of the earth’s changing ecosystem. Work in this course is externally moderated by an IB examiner.

### IB Theory of Knowledge Extended Essay II
- **COURSE NO.:** 179201A
- **YEAR LEVEL:** 12
- **PREREQUISITE:** 179101A
- **CREDIT:** 1
- **BOOK:** Theory of Knowledge Course Companion

Through this course, students evaluate their learning by engaging in reflection on and question of the areas of knowledge and ways of knowing. An extended essay, TOK essay and TOK presentation are required.

### IB HL Spanish I
- **COURSE NO.:** 568101A
- **YEAR LEVEL:** 11
- **PREREQUISITE:** None
- **CREDIT:** 1
- **BOOK:** En Espanol 2 (book and workbook)

A course for students who have previous study of the language and wish to develop a very sophisticated use of the language in a variety of situations including the everyday, the academic, and the abstract. The course is organized around academic, cultural and social objectives that are designed to present a comprehensive view of the cultures in which the target language is spoken.

### IB SL Spanish I
- **COURSE NO.:** 568501A
- **YEAR LEVEL:** 11
- **PREREQUISITE:** None
- **CREDIT:** 1
- **BOOK:** En Espanol 2 (book and workbook)

A course for students who have previous study of the language and wish to develop competent use of the language in a variety of everyday situations. The course is organized around academic, cultural and social objectives that are designed to present a comprehensive view of the cultures in which the target language is spoken.

### IB HL Spanish II
- **COURSE NO.:** 568201A
- **YEAR LEVEL:** 12
- **PREREQUISITE:** None

This course focuses on the global events, trends, and movements of the 20th Century. Students in this course will complete the IB external assessments at the higher level. Work in this course is moderated by an external examiner.

### IB SL Math Studies I
- **COURSE NO.:** 473101A
- **YEAR LEVEL:** 11/Must be followed by Math Studies II in Grade 12
- **PREREQUISITE:** None
- **CREDIT:** 1
- **BOOK:** Mathematics for the International Student

Students utilize mathematical concepts and problem solving abilities in order to accurately define problems and search for their solutions.

### IB SL Math Studies II
- **COURSE NO.:** 473201A
- **YEAR LEVEL:** 12
- **PREREQUISITE:** 473101A
- **CREDIT:** 1
- **BOOK:** Mathematics for the International Student, Mathematics Exam Guide

Students complete a mathematics research based project involving the collection, analysis and evaluation of data. Work in this course is externally moderated by an IB examiner.

### IB HL Biology I
- **COURSE NO.:** 351101A
- **YEAR LEVEL:** 11/Must be followed by IB Biology II in Grade 12
- **PREREQUISITE:** None
- **CREDIT:** 1
- **BOOK:** Heinemann Biology, Biozone I and II, Biology Course Companion

Through this course, students develop the ability to understand and apply scientific terminology and methodology in written, oral, and practical terms.

### IB Theory of Knowledge Extended Essay I
- **COURSE NO.:** 179101A
- **YEAR LEVEL:** 11
- **PREREQUISITE:** None
- **CREDIT:** 1
- **BOOK:** Theory of Knowledge Course Companion

Through this course, students evaluate their learning by engaging in reflection on and question of the areas of knowledge and ways of knowing. Work on the extended essay begins in this course.

### IB SL 20th Century World Topics
- **COURSE NO.:** 227201A
- **YEAR LEVEL:** 12
- **PREREQUISITE:** None
- **CREDIT:** 1
- **BOOKS:** 20th Century World, 20th Century World History Course Companion, History—20th Century World: The Cold War, Peacekeeping

This course focuses on the global events, trends, and movements of the 20th Century. Students in this course will complete the IB external assessments at the standard level. Work in this course is moderated by an external examiner.

### IB HL Math Studies I
- **COURSE NO.:** 351201A
- **YEAR LEVEL:** 12
- **PREREQUISITE:** 351101A
- **CREDIT:** 1
- **BOOK:** Heinemann Biology, Biozone I and II, Biology Course Companion

Through this course, students refine the investigative skills necessary to sustain a responsible position as caretakers of the earth’s changing ecosystem. Work in this course is externally moderated by an IB examiner.

### IB Theory of Knowledge Extended Essay II
- **COURSE NO.:** 179201A
- **YEAR LEVEL:** 12
- **PREREQUISITE:** 179101A
- **CREDIT:** 1
- **BOOK:** Theory of Knowledge Course Companion

Through this course, students evaluate their learning by engaging in reflection on and question of the areas of knowledge and ways of knowing. An extended essay, TOK essay and TOK presentation are required.

### IB SL Spanish ab initio I
- **COURSE NO.:** 568701A
- **YEAR LEVEL:** 11
- **PREREQUISITE:** None
- **CREDIT:** 1
- **BOOK:** En Espanol 2 (book and workbook)

This course is designed for students with no previous study of the language. Students will develop language skills appropriate for everyday social interactions and study the cultures in which the language is spoken.

### IB HL Spanish II
- **COURSE NO.:** 568201A
- **YEAR LEVEL:** 12
- **PREREQUISITE:** None
IB Course Descriptions

IB SL Spanish II
COURSE NO.: 568601A
YEAR LEVEL:  12
PREREQUISITE: None
CREDIT:  1
BOOK: Nuevas Vistas Curso de Introduccion (book and workbook)
This course prepares students for the IB Spanish B examinations at the higher level. Students will explore thematic strands through written and oral communication. Work in this course is externally moderated by an IB examiner.

IB SL Spanish ab initio II
COURSE NO.: 568801A
YEAR LEVEL:  12
PREREQUISITE: None
CREDIT:  1
BOOK: En Espanol 2 (book and workbook)
This course prepares students for the IB Spanish B ab initio exam. Students will continue to develop oral and written language skills for everyday social interactions.

IB SL Visual Arts I
COURSE NO.: 977101A
YEAR LEVEL:  11
PREREQUISITE: None
CREDIT:  1
BOOK: Art through the Ages
This is a course that introduces students to the formal elements and history of the arts. Students will complete independent research on a period in art history, a major artist, or elements of art in a specific culture and begin a series of portfolio pieces based around a central theme. Students work will be assessed using the IB higher level rubrics.

IB HL Visual Arts I
COURSE NO.: 977301A
YEAR LEVEL:  11
PREREQUISITE: None
CREDIT:  1
BOOK: Art through the Ages
This is a course that introduces students to the formal elements and history of the arts. Students will complete independent research on a period in art history, a major artist, or elements of art in a specific culture and begin a series of portfolio pieces based around a central theme. Students work will be assessed using the IB higher level rubrics.

IB HL Visual Arts II
COURSE NO.: 977201A
YEAR LEVEL:  12
PREREQUISITE: None
CREDIT:  1
BOOK: Art through the Ages
This course continues the student’s exploration of the formal elements and history of the arts. Through ongoing formal presentations, critiques and interviews, students will create a formal portfolio that shows close alignment to the ideas developed and tested in the research workbook. Work in this course is externally moderated by an IB examiner who will facilitate an interview following the criteria in the visual arts higher level assessment standards.

IB SL Visual Arts II
COURSE NO.: 977401A
YEAR LEVEL:  12
PREREQUISITE: None
CREDIT:  1
BOOK: Art through the Ages
Change description: This course continues the student’s exploration of the formal elements and history of the arts. Through ongoing formal presentations, critiques and interviews, students will create a formal portfolio that shows close alignment to the ideas developed and tested in the research workbook. Work in this course is externally moderated by an IB examiner who will facilitate an interview following the criteria in the visual arts standard level assessment standards.

IB SL Info Technology I
COURSE NO.: 787301A
YEAR LEVEL:  12
PREREQUISITE: None
CREDIT:  1
BOOK: None
This course is an advance course on computer science. Topics include the basic concepts of Windows XP Operating System, file management techniques, word processing, spreadsheets, database, presentations and internal related applications. Curricular activities are designed to support real-world applications and collaborative initiatives and group work within the disciplines.
### Requirements and Credits

**Not less than 24 and up to 28**

<table>
<thead>
<tr>
<th>Course</th>
<th>Have a full credit (√)</th>
<th>Working on it now (√)</th>
<th>Need full or half credit (√)</th>
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<tbody>
<tr>
<td>English I – Survey</td>
<td></td>
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<tr>
<td>English II – American Literature</td>
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<tr>
<td>English III - British Literature or AP Literature and Composition</td>
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<tr>
<td>English IV - World Literature or AP Language and Composition</td>
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<tr>
<td>United States History</td>
<td></td>
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</tr>
<tr>
<td>Third year of social science</td>
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<td></td>
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</tr>
<tr>
<td>World Studies</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Algebra</td>
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<td></td>
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<tr>
<td>Geometry</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Advanced Algebra-Trigonometry</td>
<td></td>
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<tr>
<td>Biology</td>
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<td>Chemistry</td>
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<tr>
<td>Physics</td>
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<td></td>
</tr>
<tr>
<td>World Language I</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>World Language II</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>P.E. I or ROTC I including Health</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>P.E. II or ROTC II including Driver's Education</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>P.E. III or ROTC III, unless Waived</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>P.E. IV or ROTC IV, unless Waived</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fine Arts (Studio Art, Ceramic, Drafting or Drama)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td></td>
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</tbody>
</table>

#### College/Career Pathways
- 4 Years of ROTC
- 3 Years of CTE - See CTE Cluster Sequence featured on **Page 21**
- 3 Years of Fine Arts
- 2 Years of Academics: 2 academic classes beyond the required.
  - **OR**
  - 2 Year Chicago Police and Fire Academy; Nursing Program; or Gallery 37

#### ACT

- Driver's Education
- Constitution/Public Law 195 - test
- Consumer Education SB977 - test
- Service Learning - 40 hours
## JROTC COLLEGE PREPARATORY ACADEMY

<table>
<thead>
<tr>
<th>9TH</th>
<th>10TH</th>
<th>11TH</th>
<th>12TH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honors English I</td>
<td>Honors English II</td>
<td>AP English III</td>
<td>AP English IV</td>
</tr>
<tr>
<td>Honors World Studies</td>
<td>Honors US History</td>
<td>Honors Sociology</td>
<td>Honors World Studies</td>
</tr>
<tr>
<td>Honors Biology</td>
<td>Honors Chemistry</td>
<td>Honors Physics</td>
<td>AP Environmental Anatomy or Forensics</td>
</tr>
<tr>
<td>Honors Algebra</td>
<td>Honors Geometry</td>
<td>Honors Adv Algebra/Trigonometry</td>
<td>PreCalculus</td>
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<tr>
<td>Computer Info Tech</td>
<td>CTE</td>
<td>Spanish II or placement level</td>
<td>College Prep</td>
</tr>
<tr>
<td>Spanish I or placement level</td>
<td>Spanish II or placement level</td>
<td>Music or Art</td>
<td>Music or Art</td>
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<tr>
<td>JROTC I</td>
<td>JROTC II</td>
<td>JROTC III</td>
<td>JROTC IV</td>
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## INTERNATIONAL BACCALAUREATE PROGRAMME

### FOUR-YEAR COURSE OF STUDY FOR INCOMING FRESHMEN

<table>
<thead>
<tr>
<th>IB Middle Years Programme Freshman/Sophomore</th>
<th>IB Diploma Programme Junior/Senior</th>
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<tbody>
<tr>
<td><strong>9th</strong></td>
<td><strong>10th</strong></td>
</tr>
<tr>
<td>MYP English I (H)</td>
<td>MYP English II (H)</td>
</tr>
<tr>
<td>Survey of Literature</td>
<td>American Literature</td>
</tr>
<tr>
<td>MYP Algebra I (H)</td>
<td>MYP Geometry (H)</td>
</tr>
<tr>
<td>MYP Biology (H)</td>
<td>MYP Chemistry (H)</td>
</tr>
<tr>
<td>MYP World Studies (H)</td>
<td>MYP AP US History</td>
</tr>
<tr>
<td>MYP Spanish I (H)</td>
<td>MYP Spanish II (H)</td>
</tr>
<tr>
<td>MYP PE/Health</td>
<td>MYP PE/Driver's Ed.</td>
</tr>
<tr>
<td>MYP PE/Health</td>
<td>MYP Art</td>
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<tr>
<td>MYP Computer Tech I</td>
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</table>

2015 - 2016
### THREE YEAR SEQUENCES*

**Digital Media, Info Tech Applications, or Computer Programming**

<table>
<thead>
<tr>
<th>Class</th>
<th>9&lt;sup&gt;th&lt;/sup&gt; Grade</th>
<th>10&lt;sup&gt;th&lt;/sup&gt; Grade</th>
<th>11&lt;sup&gt;th&lt;/sup&gt; Grade</th>
<th>12&lt;sup&gt;th&lt;/sup&gt; Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>English I</td>
<td>English II</td>
<td>English III</td>
<td>English IV</td>
</tr>
<tr>
<td>2</td>
<td>World Studies</td>
<td>US History</td>
<td>Junior Level Social Science elective</td>
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<tr>
<td>3</td>
<td>Biology</td>
<td>Chemistry</td>
<td>Physics</td>
<td>College Prep</td>
</tr>
<tr>
<td>4</td>
<td>Algebra</td>
<td>Geometry</td>
<td>Int Math or Adv Alg. Trig.</td>
<td>Adv Alg Trig Elective</td>
</tr>
<tr>
<td>5</td>
<td>Comp Info Tech</td>
<td>World Language I</td>
<td>World Language II</td>
<td>Fine Art or Music</td>
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<td>6</td>
<td>World Language I</td>
<td>CTE I</td>
<td>CTE II</td>
<td>CTE III</td>
</tr>
<tr>
<td>7</td>
<td>PE I or ROTC I</td>
<td>PE II or ROTC II</td>
<td>(10X)</td>
<td>(10X)</td>
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</tbody>
</table>

*By electing the CTE Three Year Sequence, you are committing to a three-year course sequence without an opportunity to opt out.*

### TWO YEAR SEQUENCES

<table>
<thead>
<tr>
<th>Class</th>
<th>9&lt;sup&gt;th&lt;/sup&gt; Grade</th>
<th>10&lt;sup&gt;th&lt;/sup&gt; Grade</th>
<th>11&lt;sup&gt;th&lt;/sup&gt; Grade</th>
<th>12&lt;sup&gt;th&lt;/sup&gt; Grade</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>English I</td>
<td>English II</td>
<td>English III</td>
<td>English IV</td>
</tr>
<tr>
<td>2</td>
<td>World Studies</td>
<td>United States History</td>
<td>Social Science Elective</td>
<td>World Studies</td>
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<tr>
<td>3</td>
<td>Biology</td>
<td>Chemistry</td>
<td>Physics</td>
<td>College Prep</td>
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<td>Adv Alg Trig Elective</td>
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<tr>
<td>5</td>
<td>Comp Info Tech</td>
<td>World Language I</td>
<td>World Language II</td>
<td>Art or Music</td>
</tr>
<tr>
<td>6</td>
<td>Reading WkShop</td>
<td>Math Lab</td>
<td>Adv Academics</td>
<td>Adv Academics</td>
</tr>
<tr>
<td>7</td>
<td>PE I or ROTC I</td>
<td>PE II or ROTC II</td>
<td>PE III or ROTC III</td>
<td>PE IV or ROTC IV</td>
</tr>
</tbody>
</table>

*By electing the CTE Three Year Sequence, you are committing to a three-year course sequence without an opportunity to opt out.*
CHARLES P. STEINMETZ

Electrical Wizard – Mathematical Genius – Maker of Lightning –
These are a few of the titles attributed to Charles P. Steinmetz, who in less than thirty years rose from a poor immigrant to one of the foremost scientists the world has ever known. Although physically handicapped, Steinmetz was endowed with one of the most brilliant minds that man has ever possessed. Modern civilization owes much of its progress to his genius.

The student body of our school is proud of the fact that ours is the only school in America named for Charles P. Steinmetz, a man whose courage, simple tastes in life, eagerness for living, and great accomplishments should be an example for all students, no matter what school they attend.

STEINMETZ LOYALTY SONG

We’re loyal to you Steinmetz High.
We’re with you forever and aye.
We’ll do all that’s best for that School in the west,
And for you we’ll all aim high.

Rah! Rah!

So strive on team, push for our school.
Come on team, we’re with you to rule.
Keep bright the silver and green,
The colors of the grandest team.
To Steinmetz we’ll ever be true.

STEINMETZ VICTORY SONG

Fight!, Fight!, Fight! For Steinmetz High
She’s a great school worth fighting for.

Win!, Win!, Win! For Steinmetz High.
Let’s bring Victory to her door.

Cheer!, Cheer!, Cheer! For Steinmetz High
Raise your voices and shout to the sky.

We’re the best in the West
And we’ll beat all the rest.

So FIGHT! For Steinmetz High.

Rah!....Steinmetz

Yea!.....Steinmetz

S - T - E - I - N - M - E - T - Z

Yea!.....Steinmetz.