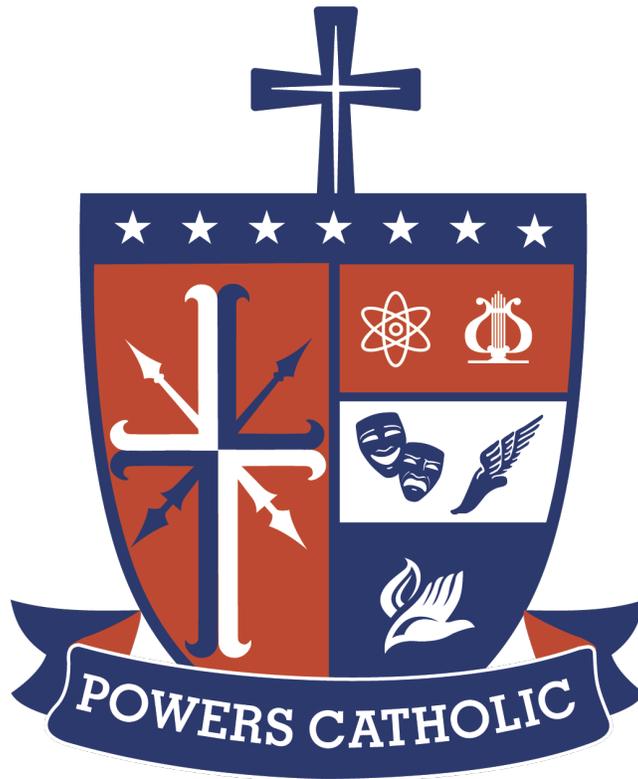


# 2022-23 CURRICULUM GUIDE



*Powers Catholic High School is dedicated to excellence in education while making Disciples of Christ in a safe and welcoming environment.*

Powers Catholic High School provides a rich academic environment that encourages students to reach their maximum potential. Powers serves a diverse socio-economic and ethnic population while maintaining a strong faith community and rigorous standards. We offer seven classes each day on a rotating basis that enables all students to gain the greatest educational benefit. We also offer a differentiated core curriculum as well as a wide variety of elective classes in the fine and performing arts, business, foreign language and physical education. Our mission is to educate students with a variety of different abilities and backgrounds while nurturing their self-worth and the commitment to strive for excellence within themselves.

We thank you for entrusting us with your son/daughter's education. It is our belief that we offer the best academic, social and spiritual environment in which students are educated and you have our ongoing pledge that we will continue the rich tradition of Powers Catholic High School.

The Powers Catholic High School Administration

Dcn. Sean Costello, Principal

# Table of Contents

<b>Subject Area</b>	<b>Page #</b>
Business <ul style="list-style-type: none"><li>• Business and Tech</li><li>• Website Design</li><li>• Marketing</li><li>• Accounting</li><li>• Finance</li></ul>	4
English	5
Fine and Applied Arts <ul style="list-style-type: none"><li>• Drafting</li><li>• Drama</li><li>• Forensics</li><li>• Music</li><li>• Visual Art</li><li>• Yearbook</li></ul>	<a href="#">10</a>
Foreign Language <ul style="list-style-type: none"><li>• French</li><li>• Spanish</li></ul>	<a href="#">14</a>
Health and Physical Education	<a href="#">17</a>
Mathematics	<a href="#">18</a>
Science	<a href="#">24</a>
Social Studies	<a href="#">28</a>
Theology	<a href="#">32</a>
Appendix A – Virtual Classes	36

## **BUSINESS**

---

<b>615</b>	Pre-requisite:	None	Semester:	1 credit
<b>Marketing</b>	Grade level:	11, 12	Program:	Average

This course is designed to explore the world of business through the exciting, growing career opportunities available in the areas of marketing, sports and entertainment. Through the use of computers and various other marketing tools, students will learn about the various strategies as well as effective ethical marketing practices. Students will contract marketing plans, explore product lines and learn about pricing and licensing.

---

<b>621</b>	Pre-requisite:	None	Semester:	1 credit
<b>Accounting</b>	Grade level:	11, 12	Program:	Average

This course is designed to help students understand how money works in a business. This class is for juniors and seniors who are thinking about majoring or minoring in Accounting in college, or for students who are planning to own their own business in the future. Students will learn accounting principles and terminology as well as develop an understanding of processing financial data and daily transactions. They will also be introduced to Accounting programs such as automated Accounting and Microsoft Excel.

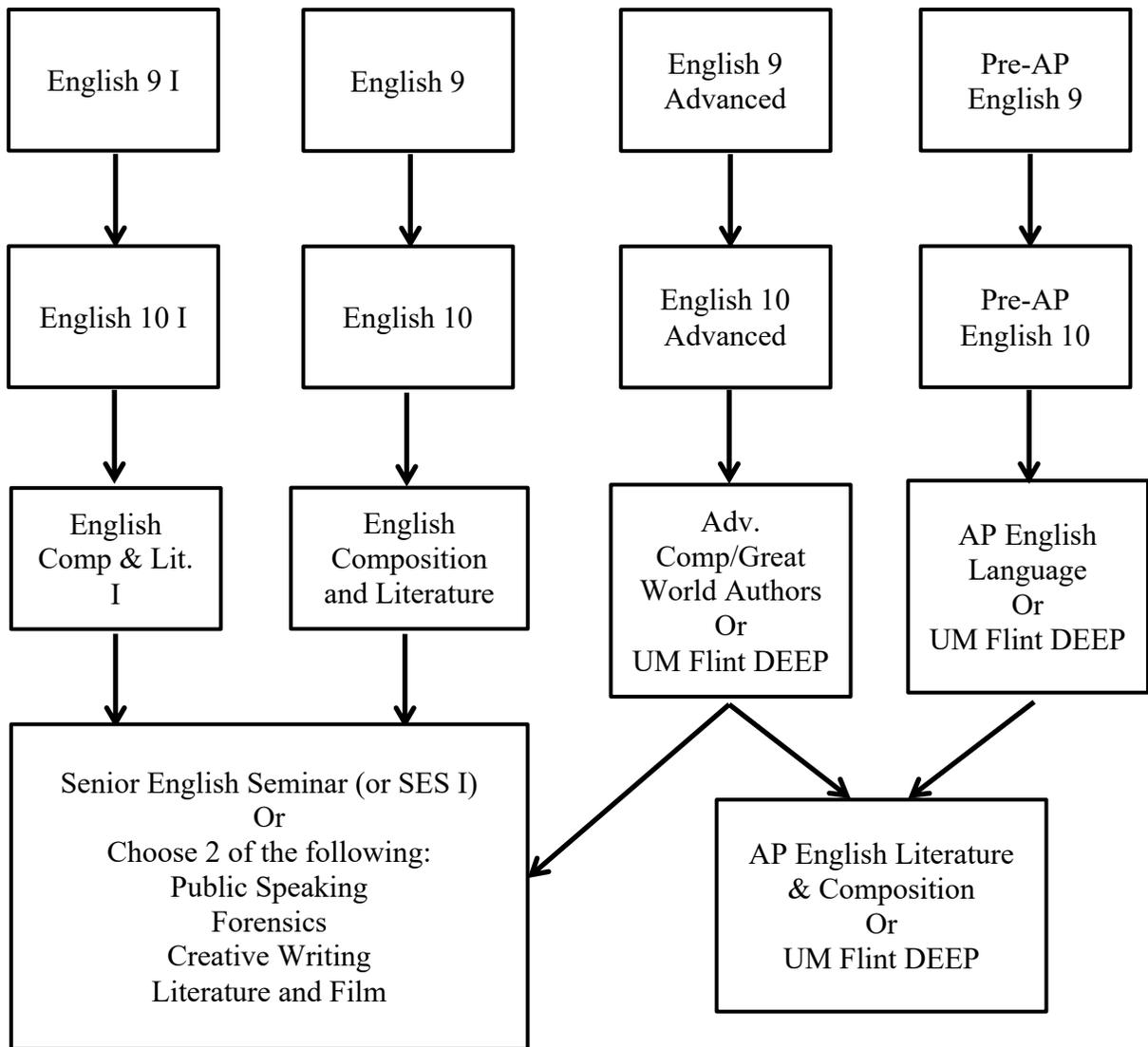
---

<b>622</b>	Pre-requisite:	None	Semester:	1 credit
<b>Finance</b>	Grade level:	11, 12	Program:	Average

Students will develop positive financial habits with twenty-first-century skills and tools that last a lifetime. Students will learn to make positive, responsible, financial decisions; create a personal/business financial plan; create systems for keeping financial records; explore compound interest, credit factors, and credit scores; discuss how financial ratios impact financial decision making and creditworthiness; research and compare different college financial aid costs; evaluate long-term costs associated with buying a car, including insurance and maintenance; understand how investing helps meet financial goals and build wealth over time; evaluate consumer rights and protection laws; and debate business management strategies.

---

# POWERS CATHOLIC HIGH SCHOOL ENGLISH DEPARTMENT FLOWCHART



## ENGLISH

The English Department of Powers Catholic High School offers a curriculum designed to meet the individual student's needs and interests in all areas of communication. Skills in reading for critical appreciation and understanding, in writing correctly and imaginatively, in creative oral and dramatic expression are emphasized. Upon graduation from Powers, students should have the necessary skills in reading, writing, and speaking to enable them to live a life that is fulfilling to themselves and our society.

---

<b>001/002</b> <b>English 9 I</b>	Pre-requisite: None Grade level: 9	Year: 2 credits Program: Basic
--------------------------------------	---------------------------------------	-----------------------------------

This course is designed to increase the student's appreciation and understanding of Literature through novels, short-stories, poetry, plays, and informative texts, while simultaneously aiming to improve the writing skills of students through practice in various forms. Students will gain practice and experience with a review of grammar, usage, mechanics, and vocabulary. This class promotes mastery in literacy and writing skills with focus on collaborative instruction.

---

<b>003/004</b> <b>English 9</b>	Pre-requisite: None Grade level: 9	Year: 2 credits Program: Average
------------------------------------	---------------------------------------	-------------------------------------

This full year course is designed to develop the students' public speaking skills, their ability to read major forms of world literature with understanding and appreciation, and their ability to write complete, correct sentences and fully developed, organized paragraphs. Units on grammar, vocabulary and use of the library will be included. The advanced class will cover more material in greater depth.

---

<b>005/006</b> <b>English 9 Advanced</b>	Pre-requisite: None Grade level: 9	Year: 2 credits Program: Advanced
---	---------------------------------------	--------------------------------------

This full year course is designed to develop the students' public speaking skills, their ability to read major forms of world literature with understanding and appreciation, and their ability to write complete, correct sentences and fully developed, organized paragraphs. Units on grammar, vocabulary and use of the library will be included. The advanced class will cover more material in greater depth.

---

<b>007/008</b> <b>Pre-AP English 9</b>	Pre-requisite: Application Grade level: 9	Year: 2 credits Program: Advanced
---	--	--------------------------------------

Pre-AP English 9 focuses on the reading, writing, and language skills that have immediate relevance for students and that will be essential for their future coursework. Texts take center stage in the Pre-AP English 9 classroom, inspiring and preparing all students for close, critical reading and analytical writing. The course trains the reader to observe the small details in a text to arrive at a deeper understanding of the whole. It also trains the writer to focus on crafting complex sentences, building this foundational skill en route to more sophisticated, longer-form analyses.

---

<b>011/012</b> <b>American Literature and Language I</b>	Pre-requisite: 001/002 Grade level: 10	Year: 2 credits Program: Basic
---	---	-----------------------------------

This course is designed to increase the student's understanding of grammar and vocabulary, with a focus on improving writing skills through practice in various forms. Students will gain an appreciation and understanding of literature through short stories, poetry, informative texts, and novels. This class promotes mastery in literacy and writing skills with a focus on collaborative instruction.

---

<b>013/014</b>	Pre-requisite: None	Year: 2 credits
----------------	---------------------	-----------------

**American Literature and Language**

Grade level: 10

Program: Average

In this class students will increase their appreciation and understanding of American Literature (novels, stories, essays, poems, and plays). From early-to-modern day America, students will encounter the rich literary landscape of our culture. Students will also gain practice and experience in writing paragraphs and essays. Grammar, vocabulary, and research via the library and the internet will be covered. The advanced section (015/016) will cover more material in greater depth and be held to higher standards.

---

**015/016**

Pre-requisite: None

Year: 2 credits

**American Literature and Language Advanced**

Grade level: 10

Program: Advanced

In this class students will increase their appreciation and understanding of American Literature (novels, stories, essays, poems, and plays). From early-to-modern day America, students will encounter the rich literary landscape of our culture. Students will also gain practice and experience in writing paragraphs and essays. Grammar, vocabulary, and research via the library and the internet will be covered. The advanced section will cover more material in greater depth and be held to higher standards.

---

**017/018**

Pre-requisite: Application

Year: 2 credits

**Pre-AP English 10**

Grade level: 10

Program: Advanced

Pre-AP English 10 builds on the foundation of the Pre-AP English 9 course, with an emphasis on the recursive moves that matter in preparing students for the challenges of college-level reading, writing, and discussion. While Pre-AP English 9 introduces the fundamental routines of close observation, critical analysis, and appreciation of author's craft, Pre-AP English 10 requires students to apply those same practices to a new host of nonfiction and literary texts. As readers, students develop a vigilant awareness of how the poet, playwright, novelist, and writer of nonfiction alike can masterfully manipulate language to serve their unique purposes. As writers, students compose more nuanced analytical essays without losing sight of the importance of well-crafted sentences and a sense of cohesion. Each unit of Pre-AP English 10 culminates in a writing task that reflects the rigor of similar tasks they will eventually encounter on standardized writing exams, in AP English courses, and in college classes.

---

**035**

Pre-requisite: None

Semester: 1 credit

**Public Speaking**

Grade level: 10, 11, 12

Program: Average

This course is designed to teach students the basic fundamentals of communication, both in speaking and listening. Students should develop confidence and comfort in front of an audience. Instruction will be given in the preparation of different types of speeches. Speeches will include informative, demonstrative, persuasive, and impromptu, as well as debate and speech for special occasions. There will be a focus on elements of proper delivery, including microphone use. How to improve listening skills will be addressed. Each student will also participate in group discussions.

---

**045**

Pre-requisite: None

Semester: 1 credit

**Forensics**

Grade level: 10, 11, 12

Program: Ave. to Adv.

Forensics is a course designed to prepare the student to participate in various speech activities. The student will be required to prepare selected speeches for classroom presentation. Students will master speeches in the following areas: informative speaking, original oratory, broadcasting, serious and humorous interpretations, extemporaneous and impromptu speaking, storytelling, and multiple presentations. Students will also be given an opportunity to compete with other schools in tournaments in the spring if they so desire.

---

<b>047</b>	Pre-requisite: None	Semester: 1 credit
<b>Literature and Film</b>	Grade level: 11, 12	Program: Average

Our main focus will be looking at devices used in both text and film, such as: theme, symbol, imagery, characterization, tone, mood, and point of view. Students will be asked to interpret films as they would a piece of literature since every film used will be connected to a reading of some kind. They will be asked to make connection to the literary content through their own relatable experiences and to adopt something new from each story and film we view. These films and texts give the audience a glimpse into various cultures, history, and ideas; all focusing on universal themes and connections. In addition, students will be given the opportunity to create their own stories, direct, and shoot their own short film based on the film logic discussed in class; including perspective, angle, emphasis, color, and lighting.

Most films chosen have a strong connection with the literature read, some of which are the actually adaptations of a novel, but all of them connect in various ways using theme, character, and imagery to connect the pieces; the director of the film being the author of the story.

---

<b>048</b>	Pre-requisite: None	Semester: 1 credit
<b>Psychology in Literature</b>	Grade level: 11, 12	Program: Average

Students will explore the concepts of behavioral, developmental, clinical, and cognitive psychology through the use of contemporary and classic literature. In this cross-curricular course, students will learn to recognize and apply their knowledge of psychological concepts using modern and classic novels, short stories, plays, and poetry in order to gain a more in-depth understanding of the theories and terminology learned throughout this course. Not only will students gain a better understanding of various psychological concepts, but they will also improve vocabulary, reading, writing, and speaking skills. This course is designed to strengthen both students' literacy skills and knowledge of psychological concepts.

---

<b>055</b>	Pre-requisite: None	Semester: 1 credit
<b>Creative Writing</b>	Grade level: 11, 12	Program: Average

Creative Writing offers students the opportunity to pursue writing with imagination. This workshop emphasizes practicing the writing process: pre-writing, drafting, revising, proofreading, and rewriting. Students write essays, poems, song lyrics, stories, character sketches - almost anything - because all writing demands creative thinking.

---

<b>061/062</b>	Pre-requisite: None	Year: 2 credits
<b>English Composition and Literature I</b>	Grade level: 11	Program: Basic

This course is designed to increase the student's ability to analyze and apply their understanding of Literature through the study of novels, short-stories, poetry, plays, and informative texts, while simultaneously aiming to improve the writing skills of students through practice in various forms. Students will gain practice and experience with a review of grammar, usage, mechanics, and vocabulary. This class promotes mastery in literacy skills with focus on individual instruction.

---

<b>063/064</b>	Pre-requisite: None	Year: 2 credits
<b>English Composition and Literature</b>	Grade level: 11	Program: Average

This course is designed to improve the writing skills of the college bound student through practice in various forms of expository writing, including the persuasive essay. A review of grammar, usage, mechanics, and vocabulary will be included. In addition, students will study the major trends in literature around the world using novels, short stories, and poetry.

---

---

<b>071/072</b>	Pre-requisite: 015/016	Year: 2 credits
<b>Advanced Composition and Great World Authors</b>	Grade level: 11	Program: Advanced

This course is designed to improve the writing skills of the accelerated English student through practice in various forms of expository writing, rhetorical writing, and including a research paper using MLA format. A review of grammar, usage, mechanics and vocabulary will be included. In addition, students will study the major trends in literature around the world. Authors from the ancients to the contemporaries will be studied through analysis and discussion. Oral reports, essays and other approved projects will be assigned.

---

<b>000/000</b>	Pre-requisite: 017/018, 015/016	Year: 2 credits
<b>AP English Language</b>	Grade level: 11	Program: Advanced

AP English Language and Composition is an introductory college-level composition course. Students cultivate their understanding of writing and rhetorical arguments through reading, analyzing, and writing texts as they explore topics like rhetorical situation, claims and evidence, reasoning and organization, and style. The course will prepare the student for Advanced Placement examination in English offered in the spring. College credit and advanced placement status are offered by many colleges to students who do well on that exam.

---

<b>081/082</b>	Pre-requisite: None	Year: 2 credits
<b>Senior English Seminar I</b>	Grade level: 12	Program: Basic

This course is designed to increase the student's application of grammar and vocabulary, with a focus on improving authentic writing through practice in various forms. Students will also analyze and apply their understanding of literature through the study of short stories, poetry, informative texts, and novels. This class promotes application of literacy and writing skills with a focus on collaborative instruction.

---

<b>083/084</b>	Pre-requisite: None	Year: 2 credits
<b>Senior English Seminar</b>	Grade level: 12	Program: Average

This course is designed as a college preparatory English class for seniors who are not taking Advanced Placement English. Students are required to review such content as grammar, essay writing, and vocabulary use. Assignments given will require group work, class participation, and independent study. Several genres of essay writing will be introduced as well as the development and execution of a research paper. Students will learn various elements of fiction and apply them to several works of World literature, focusing on universal themes and ideas with which all students can relate.

---

<b>091/092</b>	Pre-requisite: 071/072	Year: 2 credits
<b>AP English</b>	Grade level: 12	Program: Advanced

Advanced Placement English is designed for students who have maintained a 3.0 average in English and are preparing to enter college. Students will be expected to read and analyze selected genre from both English and American classical literature. Students will learn and practice various writing techniques in order to develop precise analytical skills. Recitation and participation in class are required. The course will prepare the student for Advanced Placement examination in English offered in the spring. College credit and advanced placement status are offered by many colleges to students who do well on that examination.

---

## FINE AND APPLIED ARTS

Fine and applied arts are a creative means by which people define and communicate their vision of the world. The arts are a record of diverse cultures and how these cultures have developed over time. For the individual, the arts prove a channel for self-expression, appreciation, critical judgment, imagination, creative work, and self-confidence. For the college entrant, preparation in the arts will be valuable as it fosters flexible ways of thinking and disciplined effort. For all students, the arts will permanently enhance the quality of their lives.

### DRAMA

---

<b>566</b>	Pre-requisite: None	Semester: 1 credit
<b>Introduction to Acting</b> (Acting I)	Grade level: All	Program: Average

This course is designed to introduce and illustrate the fundamentals of acting. Students will study and practice warm-ups, physical and vocal awareness and expression, blocking, theatre terminology, improvisation, written analyses, scene study, and performance process. Introduction to Acting is an introductory course; experience and talent are less important than hard work and improvement.

---

<b>567</b>	Pre-requisite: None	Semester: 1 credit
<b>Acting II</b>	Grade level: All	Program: Average

Acting 2 is a course that focuses on exploration and further training within the basic principles and tools of acting, including an emphasis on critical analysis of oneself and others. The class includes ensemble performing, written character and script analysis, voice and movement, and classical styles.

---

<b>568</b>	Pre-requisite: Acting I or II	Semester: 1 credit
<b>Advanced Acting</b>	Grade level: 11, 12	Program: Advanced

Advanced Acting is designed to heighten advanced techniques of theatrical performance. Through ensemble-oriented work, students develop their creative process, improvisational skills, script analysis skills and stage presence. Students will study characterization, motivation and creative movement through in-depth scene study using theatrical literature and multiple theories of acting.

### FORENSICS

---

<b>045</b>	Pre-requisite: None	Semester: 1 credit
<b>Forensics</b>	Grade level: 10, 11, 12	Program: Ave. to Adv.

Forensics is a course designed to prepare the student to participate in various speech activities. The student will be required to prepare selected speeches for classroom presentation. Students will master speeches in the following areas: informative speaking, original oratory, broadcasting, serious and humorous interpretations, extemporaneous and impromptu speaking, storytelling, and multiple presentations. Students will also be given an opportunity to compete with other schools in tournaments in the spring if they so desire.

### MUSIC

---

<b>501/502</b>	Pre-requisite: None	Year: 2 credits
<b>Band</b>	Grade level: All	Program: Average

The Wind Ensemble class will focus on the development of intermediate to advanced performance skills. In the fall Wind Ensemble students will present half-time shows at all home football games. Students will be

expected to attend Band Camp, which will be held during the summer, in preparation for marching season. The Wind Ensemble will present several concerts throughout the year. Participation in Solo and Ensemble Festival and District Band Festival is required. The Flint Institute of Music requires that all students participating in their programs take band or orchestra in their home schools. Two years of band will replace the Physical Education requirement.

---

<b>521/522</b> <b>Choir</b>	Pre-requisite: None Grade level: All	Year: 2 credits Program: Average
--------------------------------	---	-------------------------------------

This course is designed for all experienced and non-experienced singers who would like to pursue the art of vocal music. Concert performances will be scheduled. This course will focus on the fundamentals of vocal music. Vocal techniques will be taught and practiced.

---

<b>5??</b> <b>Introduction to Music Theory</b>	Pre-requisite: None Grade level: All	Year: 2 credits Program: Average
---	---	-------------------------------------

Introduction to Music Theory will provide students with the skills and knowledge required to understand and analyze the music they consume on a daily basis. This course will cover basic aspects of music theory that will be helpful to any student currently studying or interested in studying a musical instrument. Topics covered in this course will include music notation, time and key signatures, aural skills, chord progressions, and other important tools for the consumption, analysis, and composition of music. All levels of music literacy are welcome, and no prior experience with an instrument is required.

---

### **VISUAL ARTS PROGRAM**

The Visual Arts Program is a unique set of classes that focuses on a wide range of art discipline, medium, and history. These classes are designed for anyone of any skill to take. Along with learning art skills, students will exercise and grow their creativity, which is a skill that is needed in an ever-changing job market.

It can be hard to take art every semester, so art classes are designed so students can jump ahead one level and not fall behind. If students have a passion for a unique art form that is not currently offered, the class can be modified to suit their needs. Transfer students who have taken an art class at their previous schools or after school programs can start at a higher-level class. They will need to contact Mr. Voiles and have a three-piece portfolio of their work (which can be photos).

Because note, all students can take an art class each semester. The visual arts program is designed so that students can take Art II without having taken Art I without feeling left behind.

---

<b>541</b> <b>Art I</b>	Pre-requisite: None Grade level: All	Semester: 1 credit Program: Average
----------------------------	---	--

Art I is designed to teach the basics in a broad range of 2D art including drawing, painting, collage, ink, and a few 3D art projects including ceramics. This class is an introduction to the elements and principals of design and color theory. There will be lessons in non-traditional western art, art history, and art critique.

---

<b>542</b> <b>Art II</b>	Pre-requisite: None Grade level: All	Semester: 1 credit Program: Average
-----------------------------	---	--

Art II is designed to teach the basics in a variety of traditional and none traditional mediums, including graphic design, photography, printmaking, sculpture, jewelry making, and more. Along with introducing new mediums, students will continue learning about art history and art critique.

---

<b>543</b>	Pre-requisite:	Art I or II	Semester:	1 credit
<b>Art III</b>	Grade level:	10, 11, 12	Program:	Advanced

Art III focuses on advancing students' skills in drawing and painting along with a few 3D disciplines. This includes projects focusing on real life drawing, landscape painting, watercolor, and Gothic and Renaissance art history. Along with building their skills and portfolio students will study from famous artists and learn about art theory in order to develop their own artistic voice.

---

<b>544</b>	Pre-requisite:	Art I, II, or III	Semester:	1 credit
<b>Art IV</b>	Grade level:	10, 11, 12	Program:	Advanced

Art IV focuses on advancing students' skills in drawing and painting along with a few 3D disciplines. This includes projects focusing on real life paintings, mixed media, ink, and Impressionism and Pop Art. Along with building their skills and portfolio students will study from famous artists and learn about art theory in order to develop their own artistic voice.

---

<b>553</b>	Pre-requisite:	Art I, II, or 3-D Art I	Semester:	1 credit
<b>Digital Art</b>	Grade level:	10, 11, 12	Program:	Advanced

This course is for artists who are interested in digital art and/or photography. This class is split into two sections. In the first half students will be exercising and learning about photography with SLR cameras. The second half is learning how to manipulate photography using digital programs, and how to create works from scratch with digital art.

---

<b>551/552</b>	Pre-requisite:	Art III or IV	Year:	2 credits
<b>Advanced Art</b>	Grade level:	11, 12	Program:	Advanced

Advance Art is for students who are passionate about their art and want to build on their skills and create their own unique portfolio. To take AdvArt students should be self-motivated because they will have the opportunity to create their own pieces and need to be able to work hard and manage their own time. Students can focus on their favorite mediums, including drawing, painting, photography, and sculpting. At the end they will have a developed portfolio of their best work, featuring projects and subjects that colleges look for in portfolios. This class can be taken twice.

---

<b>561/562</b>	Pre-requisite:	By invitation only	Year:	2 credits
<b>AP Studio Art</b>	Grade level:	12	Program:	Advanced

This year-long course is offered to students who have demonstrated a passion and skill for a medium in art and have practice their art for at least three years. AP Art is a college level visual art class that counts for college credit. It is very different from other AP courses in that there is no test but a portfolio submission. Toward the end of the school year the student will submit a 24-piece portfolio to the College Board to be judged. This course can be challenging because the student will have to work on articulating their artwork and to have all their pieces done in time. There are three categories: Drawing (which can include painting), 2D Design, and 3D Design (which can include ceramics).

---

<b>555</b>	Pre-requisite:	None	Semester:	1 credit
<b>3-D Art I</b>	Grade level:	All	Program:	Average

This art course focuses on creating with 3D mediums. Students will mostly focus on ceramics, and will also create with glass, paper mache, plaster, and more. Along with building art and developing their creativity, students will learn about art history, design theory, and famous sculptors.

---

---

<b>556</b>	Pre-requisite:	3-D Art I	Semester:	1 credit
<b>3-D Art II</b>	Grade level:	All	Program:	Average

This class focuses on advancing students' skills in hand building ceramics and other sculptures. This will also be the introduction for wheel throwing projects, where students will create bowls and vases. There will be lessons in human figure, large sculptures, famous artists, and self-expression.

---

<b>557</b>	Pre-requisite:	3-D Art II	Semester:	1 credit
<b>3-D Art III</b>	Grade level:	10, 11, 12	Program:	Advanced

This class focuses on students developing their building and sculpting skills. This is a class that requires students to be self-motivated and organized because they will have a lot more freedom in developing their own work so they can create their own voice.

---

### **YEARBOOK**

---

<b>571/572</b>	Pre-requisite:	None	Year:	2 credits
<b>Yearbook</b>	Grade level:	10, 11, 12	Program:	Average

Students in yearbook will spend the year working within designated programs to create the yearbook for the current school year. This class will help students develop skills in computer design, journalism, photography, marketing, and advertisement sales.

## FOREIGN LANGUAGE

The main goal of the Foreign Language Department is to promote understanding among the people of the world by improving communications between them. This is achieved by teaching students to speak other languages and by studying other cultures. We also hope that by understanding others, students will better understand their own culture and language. The overall experience of language enables the student to gain further insight into the logic of language and practicality of historical study. Three years of language is recommended for those in a general course of study who may have college ambitions. Those in an advanced program should consider the challenge of four years of language.

---

<b>101/102</b>	Pre-requisite: B- or better in English	Year: 2 Credits
<b>French I</b>	Grade level: All	Program: Average

French I is designed to introduce students to the fundamentals of grammar and vocabulary of the French language. Students will be engaged through listening, reading, writing, and speaking activities. Students will be expected to read authentic materials, write guided compositions, and communicate as much as possible in the target language (including oral participation in a positive, respectful manner daily). Students are expected to enter this course with a fundamental understanding of English grammar.

---

<b>111/112</b>	Pre-requisite: French I	Year: 2 Credits
<b>French II</b>	Grade level: 10, 11, 12	Program: Advanced

This course is a continuation of French I and is conducted largely in the same manner with regard to structure. Students will study more advanced grammatical structures and vocabulary, continue their exposure to other cultures, and be expected to use and understand spoken and written French with higher frequency than French I. Other activities will include reading authentic materials, writing compositions, and participating in pairs and groups. Oral participation will account for a greater percentage of the grade than in French I.

---

<b>121/122</b>	Pre-requisite: French II	Year: 2 Credits
<b>French III</b>	Grade level: 11, 12	Program: Advanced

In French III, students will continue the study of grammar, vocabulary and Francophone culture, but at a more advanced pace. The class is conducted largely in French, and students will be expected to use and understand increasingly complex concepts and structures as they listen, speak, read and write in the language. Class activities will include lectures, discussions, group work, skits, analyzing short stories, and writing compositions. Comprehension and speaking skills will be further developed and evaluated for higher accuracy. Participation will account for a significant percentage of the grade for this course.

---

<b>131/132, 133/134</b>	Pre-requisite: French III, IV	Year: 2 Credits
<b>French IV/V</b>	Grade level: 11, 12	Program: Advanced

The emphasis of French IV will be on the further development of reading, writing, listening and speaking skills, with continued expansion of grammar and vocabulary. Students will read and analyze longer selections of Francophone literature from a variety of Old and New World authors. Class activities will also include discussions, group work, skits, and compositions. The class is conducted in French and active, spontaneous use of the language is expected. Participation will account for a significant percentage of the grade for this course.

---

---

<b>137/138</b>	Pre-requisite: Application	Year: 2 Credits
<b>Conversational Spanish I</b>	Grade level: All	Program: Average

Conversational Spanish is a year-long class designed for students that need support in vocabulary development, grammar structures (parts of speech and verb tenses), and practical applications of the language. Conversational Spanish will introduce students to the culture and context of the Spanish language through reading, writing, listening, and speaking. Students will be expected to take guided notes, complete assignments, study vocabulary every night, communicate as much as possible in the target language, and participate in a positive, respectful manner daily.

---

<b>139/140</b>	Pre-requisite: Application	Year: 2 Credits
<b>Conversational Spanish II</b>	Grade level: All	Program: Average

Conversational Spanish II is an extension of Conversational Spanish I. It is a year-long class designed for students that need support in vocabulary development, grammar structures and practical applications of the language. Students will learn about culture and context via reading mini-novelas for practice with grammar and comprehension. Students will be expected to take guided notes, complete assignments, study vocabulary every night, communicate as much as possible in the target language, and participate in a positive, respectful manner daily.

---

<b>141/142</b>	Pre-requisite: B- or better in English	Year: 2 Credits
<b>Spanish I</b>	Grade level: All	Program: Average

Spanish I is designed to introduce students to the fundamentals of grammar and vocabulary of the Spanish language. Students will be engaged through listening, reading, writing, and speaking activities. Students will be expected to read authentic materials, write guided compositions, and communicate as much as possible in the target language, including oral participation in a positive, respectful manner daily. Students are expected to enter this course with a fundamental understanding of English grammar.

---

<b>151/152</b>	Pre-requisite: Spanish I	Year: 2 Credits
<b>Spanish II</b>	Grade level: All	Program: Advanced

This course is a continuation of Spanish I and is conducted largely in the same manner with regard to structure. Students will study more advanced grammatical structures and vocabulary, continue their exposure to other cultures, and be expected to use and understand spoken and written Spanish with higher frequency than Spanish I. Other activities will include reading authentic materials, writing compositions, and participating in pairs and groups. Oral participation will account for a greater percentage of the grade than in Spanish I.

---

<b>161/162</b>	Pre-requisite: Spanish II	Year: 2 Credits
<b>Spanish III</b>	Grade level: 10, 11, 12	Program: Advanced

In Spanish III, students will continue the study of grammar, vocabulary and Hispanic culture, but at a more advanced pace. The class is conducted largely in Spanish, and students will be expected to use and understand increasingly complex concepts and structures as they listen, speak, read and write in the language. Class activities will include lectures, discussions, group work, skits, analyzing short stories, and writing compositions. Comprehension and speaking skills will be further developed and evaluated for higher accuracy. Participation will account for a significant percentage of the grade for this course.

---

---

<b>171/172</b>	Pre-requisite: Spanish III	Year: 2 Credits
<b>Spanish IV</b>	Grade level: 11, 12	Program: Advanced

The emphasis of Spanish IV will be on the further development of reading, writing, listening and speaking skills, with continued expansion of grammar and vocabulary. Students will read and analyze longer selections of Hispanic literature from a variety of Old and New World authors. Class activities will also include discussions, group work, skits, and compositions. The class is conducted in Spanish and active, spontaneous use of the language is expected. Participation will account for a significant percentage of the grade for this course.

---

<b>180/181</b>	Pre-requisite: Spanish IV	Year: 2 Credits
<b>Spanish V</b>	Grade level: 11, 12	Program: Advanced

The emphasis of Spanish V will be on the further development of reading, writing, listening and speaking skills, with continued expansion of grammar and vocabulary. Students will read and analyze longer selections of Hispanic literature from a variety of Old and New World authors. Class activities will also include discussions, group work, skits, and compositions. The class is conducted in Spanish and active, spontaneous use of the language is expected. Participation will account for a significant percentage of the grade for this course.

---

## HEALTH AND PHYSICAL EDUCATION

The Health and Physical Education Department teaches skills and attitudes necessary for healthy living. The department offers physical education classes geared towards all types of physical and leisure activities. In physical education classes, an extensive physical fitness for life program is stressed throughout the year. The department offers health education, which exposes students to a variety of concepts and techniques in hopes that they will better meet life problems and effectively deal with them. Alcoholism, cancer, drug abuse, and mental illness are among those life problems that are discussed. Two semesters of physical education and health education are required for graduation.

---

<b>801/802</b>	Pre-requisite: None	Year: 2 Credits
<b>Physical Education/Health</b>	Grade level: 9	Program: Average

This is a general course in Physical and Health Education. All classes are co-educational. The department goals outlined above are covered in this yearlong, two credit course. Basic skills are taught in team and individual sports. Emphasis is given to fitness and improvement. Gym fees include all equipment use.

---

<b>811/812</b>	Pre-requisite: 801/802	Year: 2 Credits
<b>Sports Skills &amp; Physical Fitness</b>	Grade level: 10, 11, 12	Program: Average

This class will offer the student-athlete an opportunity to improve on specific skills for a variety of sports. He/she will also improve on strength and fitness with alternating workouts. Resistance training plans will be developed in a sport-specific manner for each individual participant. These tailored workouts will be accompanied by full group participation in team and individual sports.

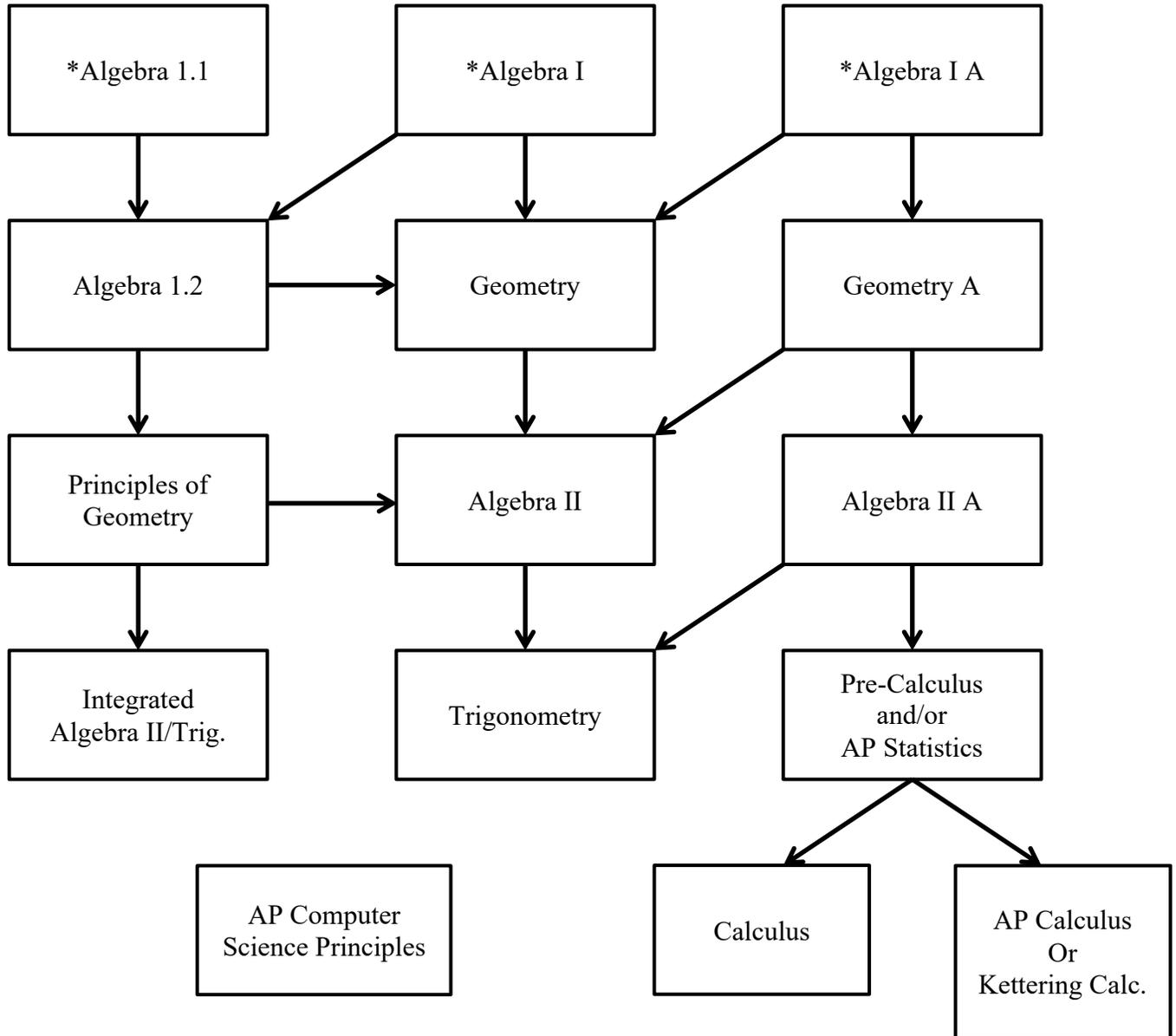
---

<b>831/832</b>	Pre-requisite: None	Year: 2 Credits
<b>P.E. Assistant</b>	Grade level: 11, 12	Program: Average

Students may elect this class in which they assist the instructor. Both males and females are needed for each class of every hour. This class is especially important for students considering the fields of physical education or athletic training. Students will be expected to lead exercises and assist in teaching various skills.

---

## POWERS CATHOLIC HIGH SCHOOL MATHEMATICS DEPARTMENT FLOWCHART



\*Usual ninth grade entry points.

- Some exceptional mathematics students may be allowed to take Geometry A and Algebra II A simultaneously in their sophomore year.
- Pre-Calculus and AP Statistics may be taken simultaneously.
- AP Computer Science Principles is offered for 10, 11, and 12<sup>th</sup> graders after successful completion of Geometry or Advanced Geometry.
- Students must have four years of mathematics with completion of Algebra II.

## **MATHEMATICS**

The Mathematics Department believes that all students should have an opportunity to take math courses suited to their individual ability and interest level. Therefore, the department offers a variety of basis, general, and advanced courses. Some courses are planned to prepare students in a specific area of math; others are planned to allow them to explore areas of interest and employment; still others are simply to strengthen the students' background in mathematics.

---

<b>310/311</b> <b>Algebra 1.1</b>	Pre-requisite: None Grade level: 9, 10, 11	Year: 2 Credits Program: Basic
--------------------------------------	---	-----------------------------------

This course is designed to take one year to cover what is normally covered in the first semester of a regular Algebra I course. It is offered to all students who have done below average work in 8<sup>th</sup> grade mathematics. Only those students whose mathematical background is not strong enough to allow them to succeed in Algebra 1 should take this course. Topics covered are:

1. Expressions, Equations, and Functions
  2. Solving Linear Equations
  3. Graphing Linear Equations and Functions
  4. Writing Linear Equations
  5. Solving and Graphing Linear Inequalities
- 

<b>312/313</b> <b>Algebra 1.2</b>	Pre-requisite: 310/311 Grade level: 10, 11	Year: 2 Credits Program: Basic
--------------------------------------	---	-----------------------------------

This course is a continuation of Algebra 1.1 and is designed to take one year to cover what is normally covered in the second semester of a regular Algebra I course. Topics covered are:

1. Systems of Equations and Inequalities
  2. Exponents and Exponential Functions
  3. Polynomials and Factoring
  4. Quadratic Equations and Functions
- 

<b>321/322</b> <b>Principles of Geometry</b>	Pre-requisite: 312/313 Grade level: 11, 12	Year: 2 Credits Program: Basic
---	---	-----------------------------------

The major goal is this course is to teach "basic geometric content," including much of the content normally taught in a plane geometry course. Topics covered are:

1. Angles and Measure
  2. Perpendicular and Parallel Lines
  3. Triangle Relationships
  4. Area and Perimeter
  5. Similarity
  6. Right Triangle Trigonometry
-

---

<b>331/332</b>	Pre-requisite: None	Year: 2 Credits
<b>Algebra I</b>	Grade level: 9, 10	Program: Average

Algebra I is offered to all ninth graders who have accomplished average or above average work in 8<sup>th</sup> grade mathematics. There is an advanced section of Algebra I offered in which students are challenged more and move at a faster rate to cover more material in depth (333/334). Topics covered are:

1. Expressions, Equations, and Functions
2. Solving Linear Equations
3. Graphing Linear Equations and Functions
4. Writing Linear Equations
5. Solving and Graphing Linear Inequalities
6. Systems of Equations and Inequalities
7. Exponents and Exponential Functions
8. Polynomials and Factoring

---

<b>333/334</b>	Pre-requisite: Teacher Rec.	Year: 2 Credits
<b>Algebra IA</b>	Grade level: 9, 10	Program: Advanced

This section of Algebra IA is the advanced section where the students are challenged to move at a faster rate and to cover more material in depth. Students are selected for this course on the basis of achievement tests and a placement test given by Powers. Topics covered are:

1. Expressions, Equations, and Functions
2. Solving Linear Equations
3. Graphing Linear Equations and Functions
4. Writing Linear Equations
5. Solving and Graphing Linear Inequalities
6. Systems of Equations and Inequalities
7. Exponents and Exponential Functions
8. Polynomials and Factoring
9. Quadratic Equations and Functions

---

<b>341/342</b>	Pre-requisite: 331/332 or 333/334	Year: 2 Credits
<b>Geometry</b>	Grade level: 10	Program: Average

This course is designed to give the student an understanding and appreciation of the structure of geometry. The student will also learn about the role of inductive and deductive reasoning with heavy emphasis on writing and understanding proofs. The students will learn to appreciate the need for clarity and precision of mathematical language. Topics covered are:

1. Essentials of Geometry
  2. Reasoning and Proof
  3. Parallel and Perpendicular Lines
  4. Congruent Triangle and Relationships within Triangles
  5. Similarity
  6. Right Triangles and Trigonometry
  7. Quadrilaterals
  8. Properties of Circles
-

---

<b>343/344</b>	Pre-requisite:	Placement Test or B- or better in 333/334	Year:	2 Credits
<b>Geometry A</b>	Grade level:	9, 10	Program:	Advanced

This course is designed to give the student an understanding and appreciation of the structure of geometry. This course is designed to stimulate and challenge the serious-minded mathematics student. The student will also learn about the role of inductive and deductive reasoning with heavy emphasis on writing and understanding proofs. The students will learn to appreciate the need for clarity and precision of mathematical language. Topics covered are:

1. Essentials of Geometry
2. Reasoning and Proof
3. Parallel and Perpendicular Lines
4. Congruent Triangles
5. Relationships within Triangles
6. Similarity
7. Right Triangles and Trigonometry
8. Quadrilaterals
9. Properties of Circles
10. Measurement of Figures and Solids
11. Properties of Transformations

---

<b>354/355</b>	Pre-requisite:	321/322	Year:	2 Credits
<b>Integrated Algebra II/Trig I</b>	Grade level:	11, 12	Program:	Basic

This course is designed for seniors who have had three years of lower-level mathematics. It will provide a continuing program of study of computations and problems solving skills, algebra, as well as trigonometry. There will be some practice mathematical applications. Topics covered are:

1. Quadratic Functions and Factoring
2. Polynomials and Polynomial Functions
3. Rational Exponents and Radical Functions
4. Trigonometric Ratios and Functions
5. Trigonometric Graphs, Identities, and Equations

---

<b>361/362</b>	Pre-requisite:	341/342 or 343/344	Year:	2 Credits
<b>Algebra II</b>	Grade level:	10, 11, 12	Program:	Average

This is a course in college preparatory mathematics for those who are able to grasp and apply mathematical principles. There is an advanced section of Algebra II in which students are challenged more and move at a faster rate to cover more material in depth (363/364). Topics covered are:

1. Quadratic Functions and Factoring
2. Polynomials and Polynomial Functions
3. Rational Exponents and Radical Functions

---

<b>363/364</b>	Pre-requisite:	341/342 or 343/344	Year:	2 Credits
<b>Algebra IIA</b>	Grade level:	10, 11, 12	Program:	Advanced

This is a course in college preparatory mathematics for those who are able to grasp and apply mathematical principles. This course challenges students more and move at a faster rate to cover more material in depth. Topics covered are:

1. Quadratic Functions and Factoring
  2. Polynomials and Polynomial Functions
  3. Rational Exponents and Radical Functions
  4. Exponential and Logarithmic Functions
-

---

## 5. Rational Functions

---

<b>371/372</b>	Pre-requisite: 361/362	Year: 2 Credits
<b>Trigonometry</b>	Grade level: 11, 12	Program: Average

This course is designed to provide a continuing program of study of computations and problems solving skills, trigonometry, as well as statistics. There will be some practice mathematical applications. This course will deal with more advanced topics of mathematics but will not be as rigorous as Pre-Calculus.

Topics covered are:

1. Exponential and Logarithmic Functions
2. Rational Functions
3. Data Analysis and Statistics
4. Sequences and Series
5. Trigonometric Ratios and Functions
6. Trigonometric Graphs, Identities, and Equations
7. Data Analysis and Statistics

---

<b>381/382</b>	Pre-requisite: 363/364, B- or better	Year: 2 Credits
<b>Precalculus</b>	Grade level: 11, 12	Program: Advanced

This course is designed to prepare students for further work in mathematics, specifically calculus. This course challenges students more and move at a faster rate to cover more material in depth. Topics covered are:

1. Trigonometric Ratios and Functions
2. Trigonometric Graphs, Identities, and Equations
3. Polynomial and Rational Functions
4. Exponential and Logarithmic Functions
5. Analytic Geometry
6. Sequences, Series, and Probability
7. Introduction to Limits

---

<b>383/384</b>	Pre-requisite: 381/382	Year: 2 Credits
<b>Calculus</b>	Grade level: 12	Program: Advanced

This course is designed to prepare seniors for further work in mathematics in college but at a less rigorous level than AP Calculus. It will provide a continuing program of study of computations and problem-solving skills in the area of calculus. There will be some practical mathematical applications.

Topics covered are:

1. Limits and Continuity
2. Differentiation: Definition, Basic Derivative Rules, Composite, Implicit, and Inverse Functions
3. Contextual Applications of Differentiation
4. Analytical Applications of Differentiation
5. Integration and Accumulation of Change
6. Differential Equations
7. Applications of Integration

---

<b>391/392</b>	Pre-requisite: 381/382, B or better	Year: 2 Credits
<b>AP Calculus</b>	Grade level: 12	Program: Advanced

This is a college level course intended for students with a strong background in mathematics. Students are expected to take the College Board Advanced Placement Statistics Exam, which is offered in May. Due to the difficulty of the material involved and the rigor of the course, a significant amount of homework will be assigned. Topics covered are:

---

1. Properties of Functions
2. Limits and Continuity
3. The Derivative and its Applications
4. Techniques of Integration
5. Applications of Definite Integral

<b>389/390</b>	Pre-requisite: 363/364, B or better	Year: 2 Credits
<b>AP Statistics</b>	Grade level: 11, 12	Program: Advanced

This is a college level course intended for students with a strong background in mathematics. Students are expected to take the College Board Advanced Placement Statistics Exam, which is offered in May. Due to the difficulty of the material involved and the rigor of the course, a significant amount of homework will be assigned. Topics covered are:

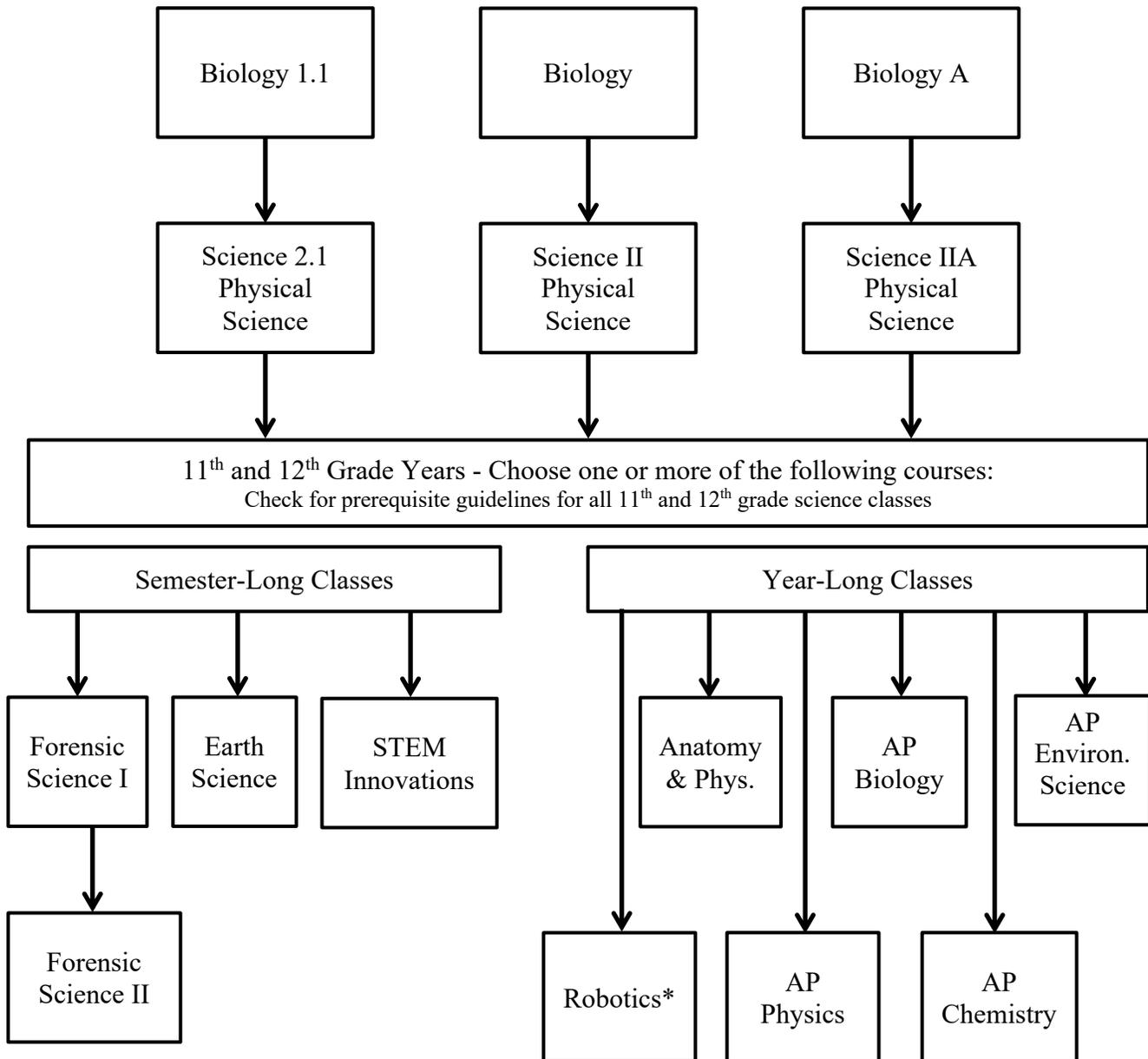
1. Exploring Data: Describing patterns and departures from patterns
2. Sampling and Experimentation: Planning and conducting a study
3. Anticipating Patterns: Exploring random phenomena using probability and simulation
4. Statistical Inference: Estimating population parameters and testing hypotheses

<b>385/386</b>	Pre-requisite: 343/344, 341/342	Year: 2 Credits
<b>AP Computer Science Principles</b>	Grade level: 10, 11, 12	Program: Advanced

AP Computer Science Principles is an introductory college-level computing course. Students are expected to take the College Board Advanced Placement Computer Science Principles Exam, which is offered in May. Due to the difficulty of the material involved and the rigor of the course, a significant amount of homework will be assigned. Topics covered are:

1. Data and Information
2. Algorithms
3. Programming
4. The Internet
5. Global Impact of Computing

# POWERS CATHOLIC HIGH SCHOOL SCIENCE DEPARTMENT FLOWCHART



## SCIENCE

---

<b>403/413</b> <b>Biology 1.1</b>	Pre-requisite: None Grade level: 9	Year: 2 credits Program: Basic
--------------------------------------	---------------------------------------	-----------------------------------

This course is designed to cover biology topics, but at a conceptual level and altered pace. This course will cover the content of a traditional biology course in two semesters: Cell Structure/Functions, Cell Energies, Cell Reproduction, Genetics, Protein Synthesis, Evolution, Biodiversity, and Ecology.

---

<b>405/415</b> <b>Biology</b>	Pre-requisite: None Grade level: 9	Year: 2 credits Program: Average
----------------------------------	---------------------------------------	-------------------------------------

This course will cover the content of a traditional biology course in two semesters: Cell Structure/Functions, Cell Energies, Cell Reproduction, Genetics, Protein Synthesis, Evolution, Biodiversity, and Ecology.

---

<b>407/417</b> <b>Biology Advanced</b>	Pre-requisite: Recommendation and test score Grade level: 9	Year: 2 credits Program: Advanced
---	--	--------------------------------------

This course will cover the content of a traditional biology course in two semesters, to a greater depth and at a faster pace in order to provide students with the background to be successful in AP Biology: Cell Structure/Functions, Cell Energies, Cell Reproduction, Genetics, Protein Synthesis, Evolution, Biodiversity, and Ecology.

---

<b>404/414</b> <b>Physical Science 1.1</b>	Pre-requisite: None Grade level: 10	Year: 2 credits Program: Basic
---	--	-----------------------------------

This course will provide students with a fundamental background in essential chemistry and physics topics but at a conceptual level and altered pace. These topics include atomic structure, chemical bonds, chemical nomenclature, chemical reactions, stoichiometry, molar conversions, stoichiometry, kinematics, dynamics, energy transfer, and momentum.

---

<b>406/416</b> <b>Physical Science</b>	Pre-requisite: None Grade level: 10	Year: 2 credits Program: Average
---	--	-------------------------------------

This course will provide students with a fundamental background in essential chemistry and physics topics. These topics include atomic structure, chemical bonds, chemical nomenclature, chemical reactions, stoichiometry, molar conversions, stoichiometry, kinematics, dynamics, energy transfer, and momentum.

---

<b>408/418</b> <b>Physical Science Advanced</b>	Pre-requisite: Recommendation and test score Grade level: 10	Year: 2 credits Program: Advanced
--	---	--------------------------------------

This course will provide students with a fundamental background in essential chemistry and physics topics. These topics include atomic structure, chemical bonds, chemical nomenclature, chemical reactions, stoichiometry, molar conversions, stoichiometry, thermodynamics, kinematics, dynamics, energy transfer, momentum and electromagnetic radiation. This section will cover to a greater depth and at a faster pace to provide students with the background to be successful in AP Chemistry and/or AP Physics.

---

<b>433</b> <b>Earth Science</b>	Pre-requisite: None Grade level: 11, 12	Semester: 1 credit Program: Average
------------------------------------	--	--

This course will focus on the nature and practice of scientific inquiry, the Earth system and the movement of elements, compounds, and energy through it, the solid Earth and its hazards, the fluid Earth, and its hazards, and the history of the Earth and the universe.

---

<b>434</b> <b>STEM Innovations</b>	Pre-requisite: None Grade level: 11, 12	Semester: 1 credit Program: Average
---------------------------------------	--	--

This course challenges students to combine science, technology, engineering and mathematics in new ways. The focus will be on bringing new ideas to life through the design process using a hands-on, 21st century approach by teaching students creative confidence, collaboration skills, critical thinking skills and the communication necessary to innovate. Through collaboration of teachers, students will be exposed to different expertise, strategies and teaching methods beneficial in the growth of the student.

---

<b>435</b> <b>Forensic Science I</b>	Pre-requisite: 406/8 and 416/18 Grade level: 11, 12	Semester: 1 credit Program: Average
---	--	--

Course Description: Forensic science is the application of multiple scientific disciplines to the investigation of criminal or civil questions of the law. Forensic science utilizes the principles, facts and lab techniques from the fields of biology, chemistry, physics, earth science, anatomy and physiology to analyze and interpret evidence within the realm of our legal system. We will begin with an introduction to scientific inquiry and the process of forensic investigation. We will then apply our knowledge of investigation to the analysis of trace evidence (hair, fiber, fingerprints etc.), DNA, blood, bodies, ballistics, toxicology, entomology, botany and anthropology. Students will actively participate in labs and activities relating to the investigation of crime scenes and the analysis of evidence while developing their writing, problem solving and critical thinking skills. In addition, the ethical, legal, and social concerns surrounding forensics will be discussed.

---

<b>436</b> <b>Forensic Science II</b>	Pre-requisite: 435 Grade level: 11, 12	Semester: 1 credit Program: Average
--	---	--

Forensic Science II is a continuation of the application of multiple scientific disciplines to the investigation of criminal or civil questions of the law. Students will actively participate in labs and activities relating to the investigation of crime scenes and the analysis of evidence while developing their writing, problem solving and critical thinking skills. In addition, the ethical, legal, and social concerns surrounding forensics will be discussed.

---

<b>441/442</b> <b>Anatomy and Physiology</b>	Pre-requisite: None Grade level: 11, 12	Year: 2 credits Program: Average
---	--	-------------------------------------

This course is an intensive study of the structure and function of the human body. The fundamental principles of biology coupled with an in-depth application of chemistry to physiology is included in the program. The course is geared to the college bound student with a vocational interest in general science, medicine, law, dentistry, nursing, pharmacy, lab technology, etc. Some of the major topics covered, in addition to anatomy and physiology, infectious disease, biochemistry, pharmacology, dissection, and disease mechanisms of the major body systems.

---

<b>453/454</b> <b>Robotics</b>	Pre-requisite: None Grade level: 9*, 10*, 11, 12	Year: 2 credits Program: Average
-----------------------------------	---	-------------------------------------

This course is to provide an introduction and advancement in the understanding of robotics. Topics to be covered include, mechanical design, CAD, computer programming, engineering principles, electronics, and the implementation of sensors. Students will hone valuable skills such as problem solving, troubleshooting, research and development, creativity, teamwork and leadership while using hands-on

activities to engineer robots. Eligible for repeat credit with teacher approval.

*\*Students in grades 9 and 10 must be concurrently enrolled in their Biology or Physical Science required course*

---

<b>461/462</b>	Pre-requisite: B or better in 418	Year: 2 credits
<b>AP Chemistry</b>	Grade level: 11, 12	Program: Advanced

AP Chemistry is an introductory college-level chemistry course. Students cultivate their understanding of chemistry through inquiry-based investigation as they cover big ideas such as atomic structure, forces and bonding, reactions, thermodynamics and equilibrium. This course will prepare students to take the AP Chemistry test in May.

---

<b>471/472</b>	Pre-requisite: None	Year: 2 credits
<b>AP Environmental Science</b>	Grade level: 11, 12	Program: Advanced

This AP course is designed to be the equivalent of an introductory college course in environmental science. Its goal is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. This course will prepare students to take the AP Environmental Science test in May.

---

<b>481/482</b>	Pre-requisite: B or better in 408/418	Year: 2 credits
<b>AP Physics</b>	Grade level: 12	Program: Advanced

AP Physics is an algebra-based course focusing on the big ideas typically covered in an introductory college-level physics course. Through inquiry-based learning, students will develop critical thinking and reasoning skills while cultivating their understanding of the following topics: kinematics, dynamics, circular motion, simple harmonic motion; impulse and linear momentum, work and energy, rotational motion, electrostatics, DC circuits, and mechanical waves. This test will prepare students to take the AP Physics test in May.

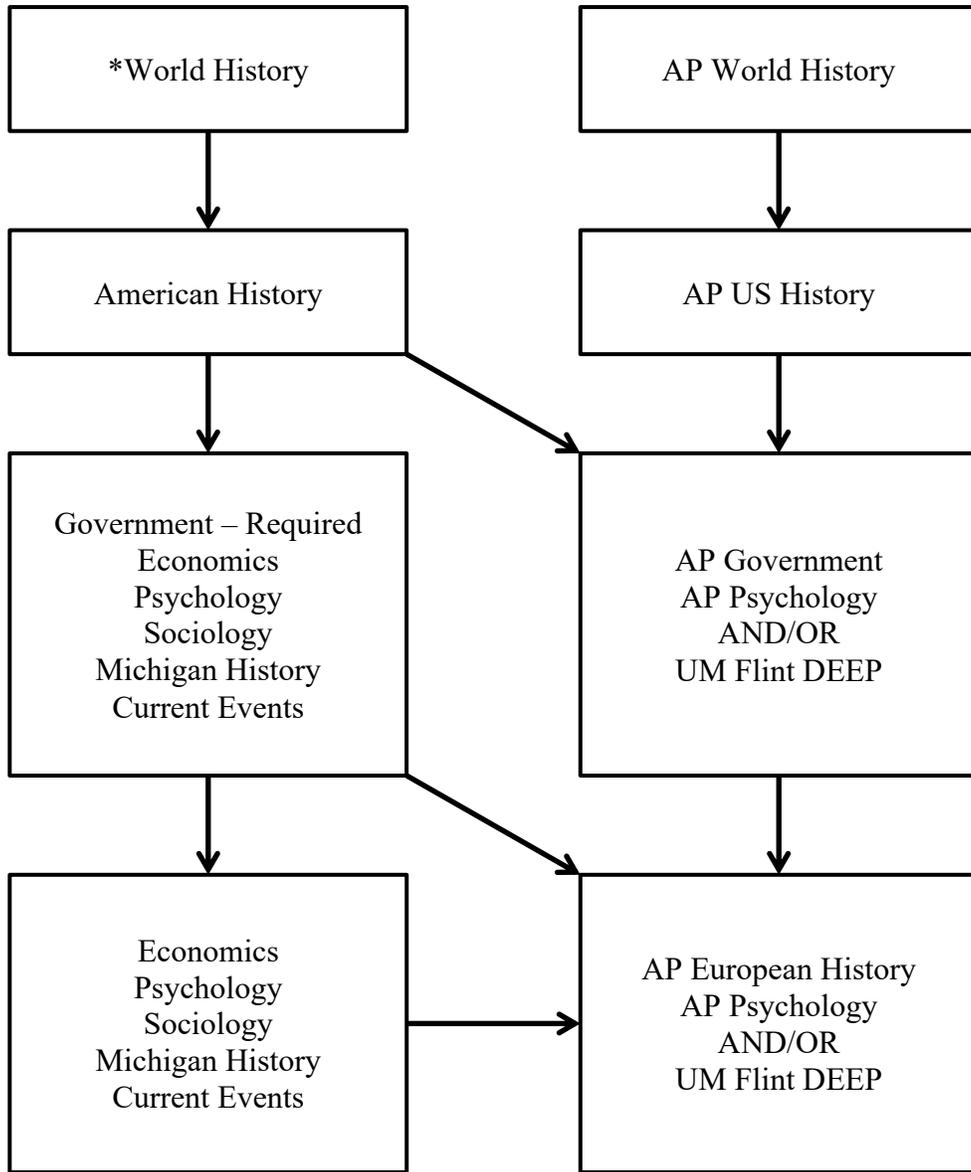
---

<b>491/492</b>	Pre-requisite: B or better in 417	Year: 2 credits
<b>AP Biology</b>	Grade level: 11, 12	Program: Advanced

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes — energy and communication, genetics, information transfer, ecology, and interactions. This course will prepare students to take the AP Biology test in May.

---

# POWERS CATHOLIC HIGH SCHOOL SOCIAL STUDIES DEPARTMENT FLOWCHART



\*Ninth grade entry points

## **SOCIAL STUDIES**

The Social Studies Department of Powers Catholic High School exists to create an awareness of man's past, present, and future and, thereby, to foster meaningful living in the twenty-first century. The cultural, historical, sociological, economical and psychological implications for modern man, viewed in a Christian perspective, alert the individual students to their responsibility to continue in their development as dynamic catalysts in the world of today and tomorrow.

---

<b>203/204</b>	Pre-requisite: None	Year: 2 credits
<b>World History</b>	Grade level: 9	Program: Average

World History is a basic introduction to the cultures and history of the world's people in Europe, Africa, Asia, and Latin America. Through classroom lectures, directed readings, and research projects, the course attempts to broaden the student's understanding of these various cultures and helps develop an insight into the growth of nations.

---

<b>213/214</b>	Pre-requisite: Application	Year: 2 credits
<b>AP World History</b>	Grade level: 9	Program: Advanced

AP World History: Modern is an introductory college-level modern world history course. Students cultivate their understanding of world history from c. 1200 CE to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.

---

<b>231/232</b>	Pre-requisite: None	Year: 2 credits
<b>American History</b>	Grade level: 10	Program: Average

This is a course designed to acquaint the student with some of the events and forces that have shaped contemporary American society. Through classroom lectures, outside readings, textbooks, and research projects, the student will receive a basic understanding of the heritage of their nation.

---

<b>237/238</b>	Pre-requisite: Application	Year: 2 credits
<b>AP US History</b>	Grade level: 10	Program: Advanced

APUSH is an honors course designed to cover

---

<b>235</b>	Pre-requisite: None	Semester: 1 credit
<b>Michigan History</b>	Grade level: 11, 12	Program: Average

This course is a comprehensive survey of the settlement and development of Michigan with emphasis on major events, movements and personalities. It follows the outline given in the text and develops a chronological approach to history. Through the use of the text, films lecture, reports and projects, the course tries to meet the intellectual curiosity of the students in the history of their own state and to evoke interest and pride in Michigan's varied and rich heritage.

---

<b>236</b>	Pre-requisite: None	Semester: 1 credit
<b>Current Events</b>	Grade level: 11, 12	Program: Average

This course will cover a wide range of topics and draw on knowledge from multiple areas of the curriculum. We will look at events taking place on the international, national, and local levels. Through our study of current events, we will develop ourselves as informed citizens and intelligent consumers of news, build skills in vocabulary, reading comprehension, writing, and oration, and engage in classroom

discussions designed to foster the development of argument and greater understanding of others' perspectives.

---

<b>251/252</b> <b>Government</b>	Pre-requisite: None Grade level: 11	Semester: 1 credit Program: Average
-------------------------------------	--	--

Government is a study of the processes and functions of national, state, and local government. This course includes a study of federalism, political parties, constitutional principles, and the role of the citizen.

---

<b>255</b> <b>Economics</b>	Pre-requisite: None Grade level: 11, 12	Semester: 1 credit Program: Average
--------------------------------	--	--

This is a general survey course in economics. Both micro and macroeconomic concepts will be covered. Microeconomics will cover: The Nature and Functions of Markets, Theory of the Firm, Factors Markets, the Role of the Government. Macroeconomics will cover: Measuring Economic Performance, Aggregate Demand and Aggregate Supply, Money and Monetary Policy.

---

<b>261/262</b> <b>AP Government</b>	Pre-requisite: None Grade level: 11	Year: 2 credits Program: Advanced
--	--	--------------------------------------

This course is an intensive examination of national, state, and local government. Concepts in micro and macroeconomics will be included. These topics, as well as current events, will be covered through lectures, group discussions, and written reports. It is expected that students taking this course will take Advanced Placement exams in May.

---

<b>264</b> <b>AP Economics</b>	Pre-requisite: Recommendation Grade level: 11, 12	Semester: 1 credit Program: Advanced
-----------------------------------	--	---

This course is designed as an intensive study in macroeconomics. It is expected that students taking this course will take the AP exam in the spring.

---

<b>271/272</b> <b>AP European History</b>	Pre-requisite: None Grade level: 11, 12	Year: 2 credits Program: Advanced
--	--	--------------------------------------

The emphasis of the course will be from 1450 A.D. to the present. This course is intended for the student who will pursue liberal arts or law in college. Students taking this class are expected to take the Advanced Placement examination in European History at the end of the year.

---

<b>275</b> <b>Psychology</b>	Pre-requisite: None Grade level: 11, 12	Semester: 1 credit Program: Average
---------------------------------	--	--

This course is an introduction to the methods and concepts of psychology. Emphasis will be upon the concepts of development, personality, motivation, emotion, adjustment, perception, learning, thinking and intellectual functioning.

---

<b>276/277</b> <b>AP Psychology</b>	Pre-requisite: Psychology (275) Grade level: 11, 12	Year: 2 credits Program: Advanced
--	--	--------------------------------------

This course is an introduction to the methods and concepts of psychology. Emphasis will be upon the concepts of development, personality, motivation, emotion, adjustment, perception, learning, thinking and intellectual functioning. AP students will strive for more depth of understanding in order to prepare for the Advanced Placement exam given in the spring.

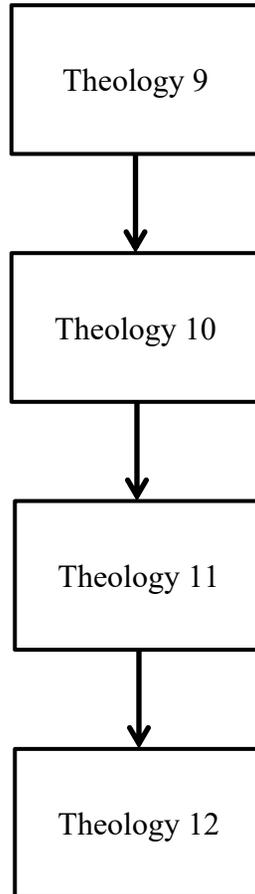
---

<b>285</b> <b>Sociology</b>	Pre-requisite: None Grade level: 11, 12	Semester: 1 credit Program: Average
--------------------------------	--	--

This course is an introduction to the study of the origin, development and structure of human societies and the behavior of individual people and groups in society.

---

**POWERS CATHOLIC HIGH SCHOOL  
THEOLOGY DEPARTMENT FLOWCHART**



# THEOLOGY

Theology at Powers Catholic High School will follow the U.S. Bishop's Council Curriculum\*.

---

<b>901/902</b> <b>Theology 9</b>	Pre-requisite: None Grade level: 9	Year: 2 credits Program: Average
-------------------------------------	---------------------------------------	-------------------------------------

## **First Semester FOCUS: The Revelation of Jesus Christ in Scripture**

The purpose of this course is to give students a general knowledge and appreciation of the Sacred Scriptures. Through their study of the Bible, they will come to encounter the living Word of God, Jesus Christ. In the course they will learn about the Bible, authored by God through Inspiration, and its value to people throughout the world. If they have not been taught this earlier, they will learn how to read the Bible and will become familiar with the major sections of the Bible and the books included in each section. The students will pay particular attention to the Gospels, where they may grow to know and love Jesus Christ more personally.

## **Second Semester FOCUS: Who is Jesus Christ?**

The purpose of this course is to introduce students to the mystery of Jesus Christ, the living Word of God, the Second Person of the Blessed Trinity. In this course students will understand that Jesus Christ is the ultimate Revelation to us from God. In learning about who He is, the students will also learn who He calls them to be.

---

<b>911/912</b> <b>Theology 10</b>	Pre-requisite: None Grade level: 10	Year: 2 credits Program: Average
--------------------------------------	--	-------------------------------------

## **First Semester FOCUS: The Mission of Jesus Christ (The Paschal Mystery)**

The purpose of this course is to help students understand all that God has done for us through His Son, Jesus Christ. Through this course of study, students will learn that for all eternity, God has planned for us to share eternal happiness with Him, which is accomplished through the redemption Christ won for us. Students will learn that they share in this redemption in and through Jesus Christ. They will also be introduced to what it means to be a disciple of Christ and what life as a disciple entails.

## **Second Semester FOCUS: Jesus Christ's Mission Continues in the Church**

The purpose of this course is to help the students understand that in and through the Church they encounter the living Jesus Christ. They will be introduced to the fact that the Church was founded by Christ through the Apostles and is sustained by Him through the Holy Spirit. The students will come to know that the Church is the living Body of Christ today. This Body has both divine and human elements. In this course, students will learn not so much about events in the life of the Church but about the sacred nature of the Church.

---

<b>921/922</b> <b>Theology 11</b>	Pre-requisite: None Grade level: 11	Year: 2 credits Program: Average
--------------------------------------	--	-------------------------------------

## **First Semester FOCUS: Sacraments as Privileged Encounters with Jesus Christ**

The purpose of this course is to help students understand that they can encounter Christ today in a full and real way in and through the sacraments, and especially through the Eucharist. Students will examine each of the sacraments in detail so as to learn how they may encounter Christ throughout life.

## **Second Semester FOCUS: Life in Jesus Christ (Morality)**

The purpose of this course is to help students understand that through Christ they can fully live out God's plans for their lives. Students will learn the moral concepts and precepts that govern the lives of Christ's disciples.

---

---

**931/932  
Theology 12**

Pre-requisite: None  
Grade level: 12

Year: 2 credits  
Program: Average

**First Semester FOCUS: Social Teaching of the Church - Living as a Disciple of Jesus Christ**

The purpose of this course is to help students understand God's plan for His people, to introduce them to the social teaching of the Church via major themes of Catholic social teaching, and to understand sin and its social dimension.

**Second Semester FOCUS: Option A. Sacred Scripture**

The purpose of this course is to give an overview of Sacred Scripture with an introduction to the basic principles for understanding and interpreting the Bible. Because of the extent of the scriptural material, this course will not try to cover the vast content but rather offer comments about Scripture's purpose and religious significance. Given the limits of a semester of study, it will not be possible to introduce all the books of the Bible here. But every effort is made to project a sense of the unity of the narrative for the divine plan of salvation, the presence of God's action in this record of his Revelation, and his desire to share his merciful love with us.

---

\*Course descriptions are from the United States Council of Catholic Bishops Curriculum Framework.

Theology courses at Powers Catholic follow the curriculum designed by the Diocese of Lansing, which can be viewed at: [http://www.dioceseoflansing.org/schools/Secondary\\_%20Rel\\_Ed\\_Curriculum\\_11\\_2009.pdf](http://www.dioceseoflansing.org/schools/Secondary_%20Rel_Ed_Curriculum_11_2009.pdf)

---

## **Appendix A: Powers Catholic Virtual Academy**

Through our partnership with Oxford Virtual Academy, 10-12<sup>th</sup> grade students are welcome to choose an online/virtual elective course to complement their in-person class schedule. The following is the approved list of electives available. Students should discuss enrollment in these classes with their counselor. Students are allowed one online elective per semester. Please note that some classes are year-long or 2-semester classes; students should plan to commit to the full year if selecting a year-long elective.

### **3D Modeling (S)**

Are you interested in a career in technology? Are you curious about working in fields like virtual reality, video game design, marketing, television and motion pictures, or digital imaging? If so, this course in 3D Modeling is a great place to start as it is the foundation for all these career paths. Gain a deeper understanding of graphic design and illustration as you use 3D animation software to create virtual three-dimensional design projects. Hone in on your drawing, photography, and 3D construction techniques and develop the skills needed to navigate within a 3D digital modeling workspace. This course is an excellent introduction to careers in the fast-growing field of technology and design.

### **Advertising (S)**

Throughout the Advertising course, students discover the various ways that advertising touches their lives. Students learn to identify what customers need and want so that various companies are able to advertise and sell a variety of products and services. Students learn to identify customers' desires and discover what is needed to create, advertise, and sell products to fit these needs. The course guides students to develop the skills they need as consumers and advertisers. Also, the course provides a solid foundation for those students contemplating careers in marketing, advertising, or other business-related fields.

### **African-American History (S)**

Over the course of U.S. history, how have African Americans helped shaped American culture? This African American History course answers that question by tracing the accomplishments and obstacles of African Americans beginning with the slave trade on up to the modern Civil Rights movement. What was it like during slavery, or after emancipation, or during the years of discrimination under Jim Crow? Who were some of the main figures who have shaped African American history? In this course, you will learn about the political, economic, social, religious, and cultural factors that have influenced African American life, come face to face with individuals who changed the course of history and explore how the African American story still influences current events today.

### **African-American Literature (S)**

Guides students through the various cultural periods of African-American history through literature. This course explores the narratives of Africans and African-Americans whose contributions have shaped the world. Students are exposed to African-American literature and culture from the past to the present and learn how these works have profoundly impacted literature as a whole.

### **American Sign Language (Y)**

ASL 1 is an introduction to American Sign Language (ASL). The first semester of this course includes basic grammar, vocabulary, fingerspelling, numbers, and cultural information related to the Deaf Community. The second semester is a continuation of basic study of the language and culture; an opportunity to build receptive and expressive sign vocabulary; use of signing space; further use of non-manual components of ASL grammar including facial expression and body postures, and introduction to conversational regulators. Discussion of regional and ethnic sign variations, as well as social, political and educational institutions of the Deaf

community will be explored. Interaction with members of the Deaf community in both directed and non-directed activities will be featured. Higher levels of the class will expand upon these concepts and skills.

### **Anthropology (Y)**

What makes us human? Is it our ability to use language? Is it our abstract thinking skills or our use of tools and technology? In Anthropology 1: Uncovering Human Mysteries you will trace the history of homo sapiens and explore our evolutionary trail. This course offers an anthropologic lens to observe our movement from cave dweller to modern human. It sheds light on how we forged our way and developed all of the things that make us human, such as our cultures, languages, and religions. We, as humans in the 21st century, are highly intelligent, innovative people with astounding technological ability – how did we get this way?

### **Archaeology (S)**

The famous Spanish philosopher and writer George Santayana once said, 'se who cannot remember the past are condemned to repeat it.' know from studying history how true this statement is, and the age-old field of archaeology helps us to better understand, through discovery and analysis, how ancient civilizations have shaped the modern world. This fascinating course, Archaeology: Detectives of the Past, explores the various techniques, methods, and theories of this field and illustrates how archaeologists conduct their studies. What is it like to uncover precious artifacts? How are they located and preserved? Find the answer to these questions and more as you learn how ancient discoveries can unlock the secrets of a long and colorful past.

### **Art Careers (S)**

For every Broadway dancer, every television star, and every pop singer, there are countless people behind the scenes helping to make it happen. Arts Careers introduces students to the skills that are part of many fascinating careers in the arts. Studying the arts creates independent and innovative thinkers and many doors are open to an artist with the proper training.

### **Astronomy (S)**

This course will introduce students to the study of astronomy, including its history and development, basic scientific laws of motion and gravity, the concepts of modern astronomy, and the methods used by astronomers to learn more about the universe. Additional topics include the origin of the universe, the Milky Way, and other galaxies and stars.

### **Business Applications (S)**

In Business Applications, students focus on business software and the corresponding skills required in the business world. The course begins with an overview of computers, including hardware, software, and operating systems. Students explore spreadsheet, word processing, presentation, and database software and discover how to fulfill a customer request using these skills. They also study web-based applications and additional software packages and learn about Internet technology. Students investigate common security concerns and discover how to prevent security issues. Finally, students experience the software development cycle where they will learn how various professionals utilize business applications. They will also discover the importance of moral and ethical responsibility in an online community. Students must possess basic spreadsheet, word processing, and presentation software skills before entering this course. Additionally, students must be independent learners, comfortable learning new technology and researching software features and functions.

### **Business Communications (S)**

Students explore business communication, including letters, memos, electronic communication, written reports, oral presentations, and interpersonal communication. Resumes, application letters, interviewing tips, and employment follow-up are also covered.

### **Business Information Systems (S)**

This course introduces students to various information and communications technologies and explains how information systems are used to solve problems and make better business decisions.

### **Business Information Management (Y)**

Students will build their career skills and strengthen their knowledge of business information management by exploring types of businesses and the elements of business planning. Learning about the initial requirements to start a business, students will then examine business finances, marketing, sales, and the importance of customer service. Computer hardware, networks, and the internet are discussed as well as the basics of web design. Lastly students will explore ethics and business law, giving each learner an opportunity to discover their passion for business.

### **Business Law (Y)**

### **Business Management (Y)**

Business Management guides students through examples of their roles as wage earners, consumers, and citizens as they explore the wide, exciting world of business. Course topics range from the extensive use of credit to the role of government in the U.S. economy.

### **\*Coding (Y)**

Have you ever wanted to create your own web page or wondered how your favorite websites were built? Maybe you want to know more about how computers and technology are affecting the world around us. In Coding 1a: Introduction to Programming, you will explore the role technology plays in our lives as well as study the fundamentals of computer science, review hardware and software, and learn how the internet functions. You will also discover how to create and build your own website using HTML and CSS and learn basic and complex commands and sequences as you become familiar with programming languages like JavaScript and Python Programming. This course also covers data collection methods, access rights, protocols, and security.

### **Concepts of Engineering and Technology (S)**

What if you could do the impossible? Engineers understand a lot of things, but the word impossible definitely isn't one of them. Through Concepts of Engineering and Technology, you'll learn how the momentum of science is continually propelling engineers in new directions towards a future full of insight and opportunity. This course explores the different branches of engineering and how problem-solving, sketching, collaboration, and experimentation can change the very fiber of our human lives. This ever-increasing knowledge can also lead to serious ethical dilemmas and the need to discuss where the boundaries of science lie (or even if there should be boundaries). By examining astounding engineering feats and complex ongoing issues, you, too, will begin to question whether the word impossible exists.

### **Early Childhood Education (Y)**

As children, we see the world differently than we do as teenagers and adults. It is a world full of magical creatures and strange, exciting things. But what makes childhood such a wondrous time of learning and exploration? What can caregivers do to encourage this? In Early Childhood Education, you will learn more about understanding the childhood experience. Learn how to create interesting lessons and stimulating learning environments that provide a safe and encouraging experience for children. Discover how to get children excited about learning and, just as importantly, to feel confident about their abilities. Early childhood teachers have the unique opportunity to help build a strong base for their young students' life-long education.

### **Entrepreneurship (S)**

Through a multidisciplinary approach, this course focuses on recognizing a business opportunity and developing the opportunity into a business. The controlling functions (accounting, finance, marketing, management) as well as legal and economic considerations are applied. Student responsibility and initiative are encouraged as business strategies are created, planned, and presented as a final product - a business plan for an

actual business venture. Through the process of developing the business plan, students acquire skills necessary to operate a successful business.

### **Excel - Office Fundamentals (S)**

Discover the real-world uses of Microsoft Excel and its impact upon business, academic, and personal applications. Move from inserting and manipulating data, to working with tables, charts, graphs, and calculations. Content of this course will also be applicable to the Microsoft Office Suite certification exam.

### **Fashion and Interior Design (Y)**

Do you have a flair for fashion? Are you constantly looking for new ways to decorate or design your room? If so, Fashion and Interior Design is the course for you. Explore the world of design and begin to understand the background and knowledge needed to develop a career in this exciting field. Try your hand at designing through a project-based process, learning how color, composition, and texture can all affect great aesthetics. You'll develop the essential communications skills necessary to build a successful business and begin to develop the kind of portfolio that will lead to future career opportunities. Perhaps it's time to get your stylish foot in the door?

### **Fashion Design (S)**

The fashion business involves a series of buying supplies, creating and developing new products, and marketing those products. Fashion Design is an advanced course for students interested in learning the intricate process of how the fashion system works. This is an in-depth study of the fashion business in sequential order from concept to consumer. The fashion industry includes all of the processes involved with producing raw materials, apparel, and accessories, encompassing the retail stores that sell fashion merchandise to the public. It is important for executives in the fashion trade to know how all of these processes interrelate. Students learn that the decision-making process is complex and not just about the latest designers, styles, or trends of an era. Fashion Design takes students through the history of fashion, exploring the looks and creations at every era. Discussion on the equipment, tools, and fabrics used to create fashion occurs, while also introducing the use of technology in fashion. Students have an opportunity to express themselves and their style through the creation of their own fashion design sketches and mood boards. Students become well-versed in fashion terminology and learn how to forecast new and upcoming fashion trends.

### **Forestry and Natural Resources (S)**

Whether you are a tree-hugger or not, everyone loves the beauty and serenity of a healthy forest. Our precious woodland species not only supply us with aesthetic beauty but also play a valuable role in nature. Trees uphold a great deal of our wildlife's ecosystem while providing us humans with needed lumber, paper products, and even food. But these forests cannot protect themselves and depend greatly on humans for conservation. In Introduction to Forestry and Natural Resources, you will learn more about this meaningful relationship and how environmental policy, land use, water resources, and wildlife management all factor into current forestry issues. After better understanding these variables and how they affect the majesty of our forests, you may just be hugging these gentle giants after all.

### **\*Foundations of Game Design (Y)**

Does your love of video games motivate you to pursue a career in this field? Pursue your passion by learning about the principles of game design through the stages of development, iterative process, critiques, and game development tools. Put these new skills to work by designing your own game!

### **Human and Social Services (S)**

Those working in the field of social services are dedicated to strengthening the economic and social well-being of others and helping them lead safe and independent lives. In Human and Social Services 1, you will explore the process of helping, body, mind, and family wellness, and how you can become a caring social service professional. If you are interested in an emotionally fulfilling and rewarding career and making a difference in the lives of others, social and human services may be the right field for you.

### **Introduction to Homeland Security (S)**

This course provides an overview of the elements involved in the homeland security function, as well as the challenges managers in government and industry can face while maintaining mission operations and staff accountability in the midst of multiple overlapping roles and responsibilities. The key functions of threat prevention, asset protection, crisis response, and operations recovery are addressed from a variety of perspectives.

### **Introduction to Law (S)**

Students receive an overview of substantive and procedural areas of law and legal practice. They explore the legal profession, courts, ethics, sources of law, and alternative dispute resolution systems, and they analyze an application of law to factual circumstances.

### **Introduction to Military Careers (S)**

Most of us have seen a war movie; maybe it had a hotshot aviator or a renegade private or a daring Special Forces operative. But outside of these sensationalized portrayals, do you really understand how the military works or what it can do for you? The military offers far more career diversity than most people imagine, and Introduction to Military Careers will provide the information you need to gain a broader understanding of how to find the right fit. You will learn about the five military branches' Force, Army, Coast Guard, Marines Corps, and Navy' examine which jobs you might like to pursue. From aviation, to medicine, to law enforcement, the military can be an outstanding place to achieve your dreams in a supportive and well-structured environment.

### **Introduction to Paralegal Profession (S)**

The student will explore the role of paralegals in the legal system, paralegal skills, legal working environments, ethical considerations, and career opportunities. The student is introduced to the sources of law, an overview of courts, and alternative dispute resolution systems.

### **Journalism (Y)**

Are you a storyteller at heart? Are you always the first one to know what's going on at school or in your town and excited to share the latest breaking news? If so, you are the kind of person every online, print, and broadcast news outlet is searching, and Journalism I: Introduction is the perfect course for you! Explore the history of journalism and see how social media and the digital world has changed the way news media operates. Learn the basics of press law, as well as the code of ethics journalists, should follow. Finally, understand how to make your writing and speaking more powerful, and discover the importance of pictures and images when telling a story.

### **Marine Science (S)**

Have you ever wondered about the secrets of the deep, and how the creatures below the ocean's surface live and thrive? It is truly a new frontier of discovery, and in Marine Science you will begin to better understand the aquatic cycles, structures, and processes that generate and sustain life in the sea. Through the use of scientific inquiry, research, measurement, and problem solving, you will conduct various scientific procedures that will lead to an increased level of knowledge about Marine Science. You will also have the opportunity to use technology and laboratory instruments in an academic setting. By recognizing the inherent ethics and safety procedures necessary in advanced experiments, you will become progressively more confident in your abilities as a capable marine scientist.

### **Medical Terminology (Y)**

Learning the language is essential for careers in health science. Join word parts to form medical terms, associations within body systems, and better communicate with colleagues and patients. Build your proficiency and confidence with this course and prepare yourself for a career in health sciences.

### **Music Appreciation (S)**

Have you ever heard a piece of music that made you want to get up and dance? Cry your heart out? Sing at the top of your lungs? Whether pop, classical, or anything in between, music provides a powerful way for people to celebrate their humanity and connect with something larger than themselves. Music Appreciation: The Enjoyment of Listening not only will provide a historical perspective on music from the Middle Ages to the 21st century, but it will also teach you the essentials of how to listen and really hear (with a knowledgeable ear) the different music that'll around you. Learning how to truly appreciate sound and melody is the best way to ensure a continued love of this delightful art form.

### **Mythology and Folklore (S)**

Since the beginning of time, people have gathered around fires to tell stories of angry gods, harrowing journeys, cunning animals, horrible beasts, and the mighty heroes who vanquished them. Mythology and folklore have provided a way for these colorful stories to spring to life for thousands of years. Mythology and Folklore: Legendary Tales will illustrate how these famous anecdotes have helped humans make sense of the world. Beginning with an overview of mythology and different types of folklore, you will journey with age-old heroes as they slay dragons, outwit gods, defy fate, fight endless battles, and outwit clever monsters with strength and courage. You'll explore the universality and social significance of myths and folklore and see how these powerful tales continue to shape society even today.

### **National Security (S)**

Do you know what it takes to keep an entire nation safe? It not only requires knowledge of how to handle disasters, but it also demands a cool head and tremendous leadership abilities. In National Security, you will have the opportunity to learn about the critical elements of the job, such as evaluating satellite information, analyzing training procedures, assessing military engagement, preparing intelligence reports, coordinating information with other security agencies, and applying appropriate actions to various threats. Put yourself in the position of the country's decisive leaders and develop your own knowledge base and skill set necessary to meet the requirements of our nation's most demanding career.

### **Philosophy (S)**

Go on an exciting adventure covering over 2,500 years of history! Along the way, you'll run into some very strange characters, like the dirty barefoot man who hung out on street corners pestering everyone with questions, or that eccentric fellow who climbed inside a stove to think about whether he existed. Despite their odd behavior, these and other philosophers of the Western world are among the world's most brilliant and influential thinkers and originated the fundamental ideas of Western civilization. Introduction to Philosophy: The Big Picture asks some of the same questions these great thinkers pondered, so by the time you've "closed the book" on this course, you will better understand yourself and the world around you—from atoms to outer space and everything in between.

### **Principles of Information Technology (Y)**

Develop your students' understanding and proficiency of computers! Students will learn about computer hardware, Von Neumann architecture, peripherals, and maintenance as well as data management and storage options. Learners will trace the history of operating systems and application software while also exploring network systems, administration, and troubleshooting. Finally, students will dive into word processing, spreadsheets, and databases to cement their knowledge of information technology!

### **Sports Management (S)**

In this introduction to the fast-growing field, students explore topics such as sports marketing, branding, ticket sales, media relations, and ethics. They also learn tips for breaking into the industry. The activities and assignments require students to respond to real-world sports management scenarios.

### **Sports Medicine (S)**

Sports Medicine provides students with basic knowledge about the field of sports medicine, the anatomy of the body, and the common injuries that occur in sports. In addition to learning about the anatomy of the body and techniques used in sports medicine to train and strengthen the body, students learn about injuries, treatment options, and innovative technologies.

### **Veterinary Science (S)**

Lions and tigers and bears (oh my!) Whether you want to step into the wild side of veterinary medicine or just take care of the furry dogs and cats down your street, Veterinary Science: The Care of Animals will show you how to care for domestic, farm, and wild animals and diagnose their common diseases and ailments. Learn how different veterinary treatments are used and developed to improve the lives of animals and, as a result, the lives of those people who treasure them. If you have always been drawn to the world of our furry, scaly, and feathered friends, this may be just the course for you!

### **\*Web Development (Y)**

How many times per day do you access the internet, including social media? The web is an important part of our daily lives, so it's no surprise that web development is one of the hottest careers. In this course, you'll start to get a real picture of professional web development, including how to create content for the web. You'll learn about topics such as servers, file organization, HTML, CSS, Javascript, and the development stack that will let you build any website you can dream up!

### **Women's Studies (S)**

Maybe you grew up watching movies with female characters like Cinderella, Belle, Snow White, or Ariel. Maybe you've wondered why there are stereotypes about women being bad drivers or ignorant about sports. Maybe you want to know about feminism and the women's movement. The Introduction to Women's studies: A Personal Journey Through Film can help you answer these questions. Though it focuses on the experience of women, it's appropriate for anyone who wants to learn to critically examine films while learning about the history of the women's movement and how gender, race, and social class influence us. Women have earned their right to stand up and be recognized as equal partners and reap the benefits of their hard work. As the anonymous quote goes, 'tory is Herstory too.

S - semester

Y - yearlong

\* Difficult