

12th Grade Electives

Trimester 1	Trimester 2	Trimester 3
Art Electives	Art Electives	Art Electives
Chorus* (Sable) (afternoon)**	Chorus* (afternoon)(Sable)	Chorus * (Sable)
English Electives	English Electives	English Electives
Poetry (Lyskava)	Horror Fiction (Lyskava)	Mythology (Lyskava)
Text to Film (Luft)	<i>Inked Truths</i> Magazine (Luft)	Conspiracy Theories (Luft)
	Fiction in Action (Watson)	Journalism (Lock)
		Journey into the Unknown(Lock)
Financial Lit/Business Electives	Financial Lit/Business Electives	Financial Lit/Business Electives
Business (TBD)	Investing (Shaner)	Real Estate (Shaner)
Health/Fitness Electives	Health/Fitness Electives	Health/Fitness Electives
Chronic and Communicable Diseases (Fratangelo)	Lifetime Health, Nutrition, and Training (afternoon)	Sports Medicine (Shoemaker)
Strength and Resistance Training (Burns) (afternoon)**	Strength and Resistance Training (Burns) (afternoon)	Strength and Resistance Training (Burns) (afternoon)
POUND® Group Exercise Class (Burns) (afternoon)**	POUND® Group Exercise Class (Burns) (afternoon)	Group Exercise Class (Burns) (afternoon)**
History Electives	History Electives	History Electives
Violence in America (Barga)	Modern World (Barga)	Sports and Politics (Barga)
Math Electives	Math Electives	Math Electives
Statistics and Probability (TBD)	College Prep Math (Powner)	How to Lie (and Tell the Truth) with Statistics (Berkowitz) (afternoon)
Math Modeling (TBD)	Excursions in Modern Mathematics (Berkowitz) (afternoon)	Hands-On Geometry (Mellinger)

Math Games and Recreation (Berkowitz) (afternoon)		Strange Patterns and Chaos Theory (Mellinger)
		Math Appreciation & History (Powner)
Science Electives	Science Electives	Science Electives
Anatomy and Physiology (Pappaterri) (afternoon)**	Anatomy & Physiology (Pappaterri) (afternoon)	Pathophysiology (Pappaterri)
Microbiology (Pascuzzi)	Science and Manufacturing (Pascuzzi)	Intro to Engineering (Pascuzzi)
Technology Elective	Technology Elective	Technology Elective
Technology (TBD)	Cartoon Animation (Shaner)	Online Citizenship (Paul)
Programming/Coding (Mellinger)	Computer Science Principles (Mellinger)	
Transition Electives	Transition Electives	Transition Electives
Navigating the College Admission Process (Riley)	Preparing College and Beyond (Riley)	

*Chorus may be taken more than once

TRI 3 SENIOR Electives

Course (Teacher)	Description
<i>Mythology</i> <i>(Lyskava)</i>	This course is for students who want to explore mythology across different time periods and cultures. Students enrolled in this class will read, discuss, and create in response to myths of creation and heroism, as well as myths that serve as cautionary tales. Students will leave this class with a deeper understanding of how myths reflect spiritual and cultural values and their influence on pop culture today.
Conspiracy Theories (Luft)	This course is for students who are fascinated by conspiracy theories. We'll wrestle with this question: "Why do people believe?" We'll use resources from psychologists and sociologists to help answer this question, and the class will study conspiracy theories from the past and present to better understand them as a cultural force. Please note this is an English elective and will be reading and discussion-focused.
<i>Journalism</i> <i>(Lock)</i>	In this class students will explore what it means to be a journalist. They will create articles, reviews, arguments, and more. This class is heavy on writing and challenges students to use their creativity every day. This class will include both independent and collaborative writing, just like in a real newspaper.

<p><i>Journey into the Unknown</i> (Lock)</p>	<p>Graduation can feel like a big jump into the unknown. In this class students will follow the book '<i>Into the Wild</i>'. This reading and discussion based class will follow along as the protagonist gives up everything they thought they knew and explores a whole new world on their own. Students will be asked to apply the story to their own lives and come up with a plan for what fears may lie ahead.</p>
<p><i>Sports Medicine</i> (Shoemaker)</p>	<p>During this course students will be introduced to all the different careers that fall under the Sports medicine label. The students will also learn about different sport injuries, the anatomy involved, how to treat, and rehabilitate those injuries.</p>
<p><i>Sports and Politics</i> (Barga)</p>	<p>This discussion-based class is for students who enjoy reading about and analyzing controversial issues in the world of sports. (Colin Kaepernick, for just one example.) This class is about how the issues in our world are reflected by, and in some cases driven by, athletes and our culture's love of sports. We will focus on issues like sex/gender, racism, nationalism, and politics in general - all explored through sports history and our country's sports culture.</p>
<p><i>Math Appreciation & History</i> (Powner)</p>	<p>This is a course about math as a topic, not about doing math problems. We'll look at math history, famous mathematicians, the various branches of mathematics (and how they differ, what jobs use each, etc.), and interesting parts of math that may not come up in other math classes. How math developed around the world, cool patterns, different number systems, math in various careers, and more could be discussed in this course.</p> <p>This course will require more reading, research, and discussion than performing mathematics or solving math problems.</p>

<p><i>Intro to Engineering</i> <i>(Pascuzzi)</i></p>	<p>This class will focus on basic engineering skills through the planning, designing and building of various projects. We will use the engineering design loop to study the ways that engineers solve problems. This class will introduce students to various types of engineering and take a closer look at 2-3 branches of engineering. Students taking this course should be prepared to meet challenges and develop ways to get around them.</p>
<p><i>Real Estate</i> <i>(Shaner)</i></p>	<p>Introductory real estate course where students learn the basics of renting or buying a home. Topics include leases, tenant/landlord rights, mortgages, titles, closing procedures, buyers/sellers rights, real estate law, deeds, liens, homeowners/renters insurance and taxes. Students also explore requirements for real estate license and basic home repair.</p>
<p><i>Strange Patterns and Chaos Theory</i> <i>(Mellinger)</i></p>	<p>If you launch two helium filled balloons side-by-side, why can they land thousands of miles apart? Why does a human drummer always sound better than a computer simulation? Within the apparent randomness of chaos, there are underlying patterns, interconnectedness, and self-organization. In this class, we will use technology to explore chaotic systems to discover these patterns.</p>
<p><i>Hands-On Geometry</i> <i>(Mellinger)</i></p>	<p>Are you a hands-on learner? In this class you will be building, constructing, and manipulating structures in order to learn about some of the common geometric formulas for volume and surface area. You will then use these formulas to solve real-world problems.</p>
<p><i>Chorus*</i> <i>(Sable)</i></p>	<p>This course is for students who are interested in improving their singing voice. We will prepare pieces of music ranging from Broadway Show tunes to African Folk Songs. All students participating will be required to sing at one Evening Choral Concert, with the expectation that there may be additional performance opportunities throughout the trimester outside of school.</p>

<p><i>How to Lie (and Tell the Truth) with Statistics (Berkowitz)</i></p>	<p>“There are three kinds of lies: lies, damned lies, and statistics.” This phrase - with an unknown and strange origin - was actually popularized by writer Mark Twain, and is used today in discussions about the use and misuse of statistics in modern research and presentations of data in the news. This class will focus on a much deeper understanding of what statistics is (beyond means, medians, and modes), as well as how it is used and it <i>should be</i> used to bring life to the data and surveys that we use to make important decisions.</p>
<p><i>Pathophysiology (Pappaterri)</i></p>	<p>This course is for students who are interested in Biology. This course aims to build a basic understanding of structure and function of the human body and how certain diseases and disorders impact normal functioning. This course is taught in a seminar and lab combination and aims to use research, analysis and dissection to understand the basic principles behind treatment and diagnosis. <i>It is important to note that this course has a large dissection portion and will require participation and observation.</i></p>
<p><i>Individual Strength and Resistance Training (Burns)</i></p>	<p>This class will be tailored to the student's individualized fitness goals. Students will work on improving their muscular strength, muscular endurance, and cardiorespiratory endurance. Students will be creating an individualized workout plan and recording their progress towards their goals throughout the trimester. The goal of this class is for students to show gains in their personal fitness levels.</p>
<p><i>Group Exercise Class (Burns)</i></p>	<p>*This is a teacher led group exercise class. This class will focus on a variety of group cardio and strength classes. Examples of classes will be Xtreme Hip Hop® Step, Boot Camp, HIIT (high-intensity interval training) PLYOGA®, and many more. Throughout this class you will learn how to stay physically fit through a variety of group exercise classes.</p>

***Online
Citizenship
(Paul)***

This class will take a look at different aspects of being online. The goal is to become a better online citizen. Topics looked at will be history of social media, social medias connection with mental health (positives and negatives), the effects of filters on apps, and careers in social media.