

## 11th Grade Electives

Trimester 1	Trimester 2	Trimester 3
<b>Art Electives</b>	<b>Art Electives</b>	<b>Art Electives</b>
Intro to Keyboarding (Sable)	Guitar (Sable)	Intro to Keyboarding (Sable)
Chorus (Sable)	Chorus (Sable)	Chorus (Sable)
Digital Art (Eckels)	Concepts and Design (Eckels) (HR1)	Visual Literacy (Eckels)
Print and Ink (Eckels)	Painting Studio (Eckels) (HR 2)	Sculpture (Eckels)
<b>English Electives</b>	<b>English Electives</b>	<b>English Electives</b>
Public Speaking (Lyskava)	August Wilson: Race and Community Voice in Pittsburgh (Lyskava/Barga)	Short Stories (Lyskava)
Censorship: Banned Books (Lyskava)	Public Speaking (Lyskava)	Censorship: Banned Books (Lyskava)
<b>Financial Lit/Tech Electives</b>	<b>Financial Lit/Tech Electives</b>	<b>Financial Lit/Tech Electives</b>
Economics(Harrop)	Accounting (Harrop)	Accounting/(Harrop)
Marketing (Harrop)	Adobe Creative Cloud (Duty)	Economics (Harrop)
Adobe Creative Cloud(Duty)	Robotics Build(Duty)	Adobe Creative Cloud(Duty)
Intro to Computer Science/Python(Duty)	Marketing (Harrop)	Robotics Build (Duty)
		Cyber Security
<b>Health/Fitness Electives</b>	<b>Health/Fitness Electives</b>	<b>Health/Fitness Electives</b>
Health Risk Factors 11 (Fratangelo)	Health Risk Factors 11	Health 11* Stress and Body Systems(Shoemaker)
Components of Physical Fitness (Fratangelo)	Components of Physical Fitness	Fitness 11: SMART goal and FITT Workout Plan * (Shoemaker)
<b>History Electives</b>	<b>History Electives</b>	<b>History Electives</b>

Education and Democracy (Barga)	August Wilson: Race and Community Voice in Pittsburgh (Lyskava/Barga)	American Rebellion (Barga)
Hamilton: An American Musical (Barga)	Music and Social Change (Barga)	Hamilton: An American Musical (Barga)
<b>Math Electives</b>	<b>Math Electives</b>	<b>Math Electives</b>
Math Modeling (TBD)	Math Modeling (Powner)	PreCalculus (Powner)
Statistics and Probability (TBD)	Trigonometry (Powner)	Trigonometry (Powner)
<b>Science Electives</b>	<b>Science Electives</b>	<b>Science Electives</b>
Biotechnology (Pascuzzi)	Science Fair (Pascuzzi)	Botany (Pascuzzi)
Chemistry 1 (Pascuzzi)		

### TRI 1 - JUNIOR 1:40 Electives

Course (Teacher)	Description
Intro to Keyboarding (Sable)	Ever want to learn to play the piano? If so, this is the course for you. No prior experience is needed. This class is tailored to the individual student, so, if you have had piano lessons in the past, we will pick up right where you left off and improve your playing.
Visual Literacy (Eckles)	Learn to communicate without using words. Color, texture, and a variety of images can be used to tell story. In Visual Literacy, we will use a variety of art materials including paint, clay, and digital art to tell stories of our own

Short Stories (Lyskava)	This is a highly interactive, reading-focused course for students who want to experience some of the best short fiction in classic and contemporary literature. Students enrolled in this class will experience short fiction ranging from Dr. Seuss to Neil Gaiman, all in the name of cultivating critical thought, communication skills, and most importantly, a love for reading.
<i>Economics</i> (Harrop)	Economics is a business elective. This class will explore how economics affects your daily life and the economy. We will also use the principles of economics to see how it can be used to explain other issues including poverty, crime, and health care. Part of the class takes a deeper look at social economics by examining the award winning book "Freakonomics."
Adobe Creative Cloud (Duty)	An indepth look at the Adobe software such as After Effects, Premiere and Photoshop
Health Risk Factors	This course is to educate you on risk factors for your health. In areas such as body systems, sexual education, social and emotional health. You will learn how to control these risks in order to maintain a healthy lifestyle.
American Rebellion (Barga)	American Rebellion is a discussion and document based history elective. This class will focus on uprisings, rebellions, riots, and insurrections in American history - from the 1700s to January 6, 2021. We will explore events specific to many different groups of people in our country's history - Black, White, Native American, Latino, and women and workers of all backgrounds - and the forces which drove/drive extreme social upheaval.
PreCalculus (Powner)	This course is designed to help students prepare for calculus in twelfth grade by gaining a more thorough understanding of advanced algebra and trigonometry. The focus of the course will be in depth investigations of power, polynomial, rational, exponential, logarithmic, and trigonometric functions.
Botany (Pacuzzi)	The purpose of this course is to introduce students to the world of plants. We will explore topics ranging from photosynthesis to pollination to agriculture. This course you will use traditional coursework, virtual labs, and field study experiences. Students will need to bring a change of clothes and shoes as <b>YOU WILL GET DIRTY!</b>

### TRI 3- JUNIOR 2:40 Electives

Course (Teacher)	Description
Chorus (Sable)	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, and at Graduation on June 21, 2014.
Sculpture (Eckles)	Explore art in the 3rd dimension by creating original designs using a variety of sculpture techniques. Learn about the history and current field of sculptural art while creating independent artworks that utilize each unique sculpture process.
Censorship (Lyskava)	This course is for enthusiastic readers who are prepared to discuss serious issues. Students enrolled in this class will explore and question censorship in schools, libraries, and society. They will also read frequently-challenged young adult literature and

	<p>analyze the benefits of addressing controversial material in fiction. Students will leave this class with an in-depth understanding of censorship's history and its real-world consequences.</p> <p><i>*Note: The novels assigned in this course include emotionally-charged topics such as substance abuse, sexual violence, and mental health. Please feel free to contact Ms. Lyskava or a Wellness counselor with any concerns before selecting this elective.</i></p>
Accounting (Harrop)	This course is for students interested in business. We will learn the accounting equation, analyze transactions, and perform basic bookkeeping tasks. Having accounting knowledge is important for students wanting to major in business in college or if one expects to have a business someday. We will explore current events in the business world such as Robinhood.
<i>Robotics Build (Duty)</i>	Learn the basics of building a robot, electronics, drone programming and 3D printing (end of day, if possible)
Fitness 11: Components of Physical Fitness( <i>Shoemaker</i> )	This course will focus on all 5 components of physical fitness (muscular strength, muscular endurance, cardiovascular endurance, flexibility and body composition). Each student will create a specific workout plan tailored to meet their individual fitness goals. The goal of this class is for each student to find activities they enjoy in order to be physically active for the rest of their life. You will leave this class with the necessary skills to workout independently in a variety of settings.
Hamilton: An American Musical ( <i>Barga</i> )	In this class we will explore and discuss the social, political, and economic foundations of The United States.. We will also study and critique <i>Hamilton</i> from a historical and artistic perspective and explore how hip hop and pop culture created a once-in-a-generation piece of theater .Primary historical topics will be the American Revolution, U.S. Constitution, slavery, and forces like race, class, and gender in Early America. Students should have a deep interest in American history and music, and be motivated to explore and discuss interesting themes together!
Trigonometry ( <i>Powner</i> )	Did you know there is a whole branch of mathematics dedicated to triangles? But are triangles that important? Trigonometry is a significant area of math for physics, engineering, architects, mapmaking, construction, and more. In Trig, we'll start with the basic geometry of triangles and work into right triangle trig, eventually covering some deeper topics like non-right triangle trig, the unit circle, trig graphs, or solving trig equations. This course is available to all students and would be an excellent choice for an honors math student who is considering calculus/honors during senior year.
Botany (Pascuzzi)	The purpose of this course is to introduce students to the world of plants. We will explore topics ranging from photosynthesis to pollination to agriculture. This course you will use traditional coursework, virtual labs, and field study experiences. Students will need to bring a change of clothes and shoes as <b>YOU WILL GET DIRTY!</b>
Cyber Security	Learn how to identify/ prevent basic security risks and demonstrate knowledge in the areas of safety and preventative maintenance of computers. This course prepares students to consider a career in IT or desire a more detailed knowledge of IT.