



## Essential Learning Outcomes by Department

| English Language Arts                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| English 7/Advanced English                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |
| Students will be able to: <ul style="list-style-type: none"> <li>Analyze the theme or central idea in a work of literature</li> <li>Determine the author's point of view</li> <li>Analyze what a text says explicitly and draw inferences</li> <li>Cite and explain textual evidence</li> </ul>                                                                                                                                                                  |  |
| English 8/Advanced English 8                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| Students will be able to: <ul style="list-style-type: none"> <li>Students will analyze and explain what texts say and mean, using evidence.</li> <li>Students will analyze how authors develop ideas and viewpoints.</li> <li>Students will compare ideas, structure, and information across multiple texts.</li> <li>Students will determine and interpret the meaning of words and phrases in context.</li> </ul>                                              |  |
| 7 <sup>th</sup> Grade Composition                                                                                                                                                                                                                                                                                                                                                                                                                                |  |
| Students will be able to: <ul style="list-style-type: none"> <li>Compose writing and presentations for various genres.</li> <li>Demonstrate a basic command of English grammar and usage.</li> <li>Demonstrate the basics of the writing process and research processes.</li> <li>Write informative compositions in a variety of forms.</li> <li>Write arguments in a variety of forms.</li> <li>Write narratives compositions in a variety of forms.</li> </ul> |  |
| 8 <sup>th</sup> Grade Composition                                                                                                                                                                                                                                                                                                                                                                                                                                |  |
| Students will be able to: <ul style="list-style-type: none"> <li>Compose writing and presentations for various genres.</li> <li>Demonstrate a command of English grammar and usage.</li> <li>Demonstrate the writing process and research processes.</li> <li>Write informative compositions in a variety of forms.</li> <li>Write arguments in a variety of forms.</li> <li>Write narratives compositions in a variety of forms.</li> </ul>                     |  |
| 7/8 Film Study                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
| Students will be able to: <ul style="list-style-type: none"> <li>Compose writing and presentations for various genres.</li> </ul>                                                                                                                                                                                                                                                                                                                                |  |

- Demonstrate a command of English grammar and usage.
- Demonstrate the writing process and research processes.
- Write informative compositions in a variety of forms.
- Write arguments in a variety of forms.
- Write narratives compositions in a variety of forms.

### **Journalism**

Students will be able to:

- Apply journalistic principles to produce accurate, ethical, and engaging school media.
- Capture and edit photographs that convey stories effectively.
- Develop consistent brand identity for school media products.
- Design marketing and advertising campaigns to promote events, products, and ideas.
- Read a variety of articles from journalistic publications and other texts related to journalism within a range of complexity appropriate for grades 7-8 that include possibilities for analysis of literary techniques, structure and writing style.
- Write editorials/commentaries, news, and features.
- Apply the writing process to plan and develop; draft; revise using appropriate reference materials; rewrite; try a new approach, focusing on addressing what is most significant for a specific purpose and audience; and edit to produce and strengthen writing that is clear and coherent.
- Use technology to generate, produce, publish, and update individual or shared writing products in response to ongoing feedback, including new arguments or information.
- Understand and apply knowledge of legal and ethical principles related to the functioning of journalism.
- Discuss ideas for coverage with others. They develop coherent and focused content ideas that demonstrate well-researched information that is appropriate for their audience.
- Develop newsworthy, journalistic content while adhering to legal and ethical standards for scholastic journalism. Students demonstrate an understanding of the research, organizational, and drafting strategies in the journalistic content creation process.
- Students produce media within an established production cycle, meeting deadlines, and following style manual guidelines for consistency. Students analyze, evaluate, and critique their own work and that of others as they improve future media based on feedback.

### **Social Studies**

### **7<sup>th</sup> Grade Social Studies**

Students will be able to:

- Create persuasive arguments and perspectives of the past by using evidence from primary and secondary sources and drawing connections to the present. (related: thesis/essay writing)
- Identify and analyze the long-term and short-term causes and effects of historical events.
- Identify the geographic, economic, political, and historical circumstances of an event, as well as interpreting similarities in events across time periods & regions.
- Increase awareness of others' culture, as well as in one's ability to collaborate and integrate cultural knowledge for human flourishing (related: open-mindedness, growth mindset, etc.)

### **8<sup>th</sup> Grade Social Studies**

Students will be able to:

- Demonstrate understanding of historical context when analyzing different sources, with a focus on primary sources.
- Construct meaningful & persuasive historical arguments of the past by (1) using relevant evidence from primary & secondary sources and (2) drawing connections to the present.
- Identify & explain historical events, developments & processes in North America from the 1600s – 1860s with specific attention to the following:
  - European Exploration
  - Colonization of N. America
  - French and Indian War
  - American Revolution
  - American Government
  - Sectionalism
  - Manifest Destiny
  - Civil War

### **Math**

#### **7<sup>th</sup> Grade Math**

Students will be able to:

- Perform all operations with rational numbers confidently and accurately.
- Identify proportional relationships and solve related problems using the constant proportionality.
- Apply percent proportions to solve real-world percent applications.
- Determine the slope of a line and graph linear equations using slope and a given point.
- Simplify algebraic expressions and solve two step equations and inequalities.
- Calculate the area and circumference of circles, as well as the volume of cylinders and composite rectangular prisms.
- Determine the probability of simple events and use data from samples and populations to make predictions.

### **8<sup>th</sup> Grade Math**

Students will be able to:

- Apply the properties of exponents to rewrite numeric expressions with rational bases and integer exponents into equivalent forms.
- Analyze real-world situations, represent them with numerical expressions involving rational numbers, and use multiple operations to determine and explain solutions.
- Solve one-variable equations and inequalities and interpret the solution in a real-world context.
- Construct a linear function from a verbal description, table, or graph, and explain the meaning of the rate of change ( $m$ ) and the  $y$ -intercept ( $b$ ) within the context of the situation.
- Accurately identify and describe transformations in the coordinate plane and demonstrate mastery of the Pythagorean Theorem and its converse by correctly solving problems that require determining distances between points and justifying their reasoning using mathematical principles.
- Represent sample spaces for compound events using organized lists, tables, and tree diagrams; determine the probability of independent and dependent events; and accurately define and describe compound events using correct probability terminology.

### **Honors Algebra**

Students will be able to:

- Solve one-variable equations and inequalities and interpret the solution in a real-world context.
- Apply the properties of exponents to rewrite numeric expressions with rational bases using integer and fractional exponents into equivalent forms.
- Interpret and recognize standard form, point-slope form, and slope-intercept form of linear equations and models.
- Solve a system of equations using a real-world situation.
- Add, subtract, and multiply polynomials.
- Solve a quadratic equation by factoring or using the quadratic formula.
- Apply a quadratic model to maximum height problems and other scenarios.

### **Honors Geometry**

Students will be able to:

- Solve problems with systems of equations and factoring using algebra.
- Construct two column proofs using deductive reasoning. Proofs will focus on parallel lines and congruent triangles.
- Use properties of parallel lines to construct proofs and solve problems.
- Use properties of quadrilaterals to solve problems and classify shapes.

- Use the Pythagorean Theorem and trigonometry to solve problems.
- Name similar figures and use proportions to solve problems.
- Find the volume and surface area of 3-dimensional objects
- Apply trigonometric ratios (sine, cosine, tangent, and their inverses) and the Pythagorean Theorem to solve Real-World and mathematical problems involving right triangles and non-right triangles.

## **Science**

### **7<sup>th</sup> Grade Science/Advanced Science**

Students will be able to:

- Students will learn that science moves forward when people ask the right questions, learn from what's already known, test ideas safely, and use real evidence to prove their points.
- Students will understand that all living things are made of cells, and in multicellular organisms, different body systems work together to keep the body balanced and healthy.
- Students will learn how living things pass their traits to their children. This explains why families look alike but stay unique, and how these small changes—combined with the environment—have shaped all life on Earth over millions of years.
- Students will learn how the Earth constantly recycles materials like rocks and minerals using energy. They will also look at how things humans do change these natural processes and affect the planet's stability.

### **8<sup>th</sup> Grade Science/Advanced Science**

Students will be able to:

#### **CER (Claim, Evidence and Reasoning)**

- Read a passage, comprehend and use scientific terms, and infer their use in various applications.
- Draw evidence from informational texts, data, and application to support analysis and reflection of scientific evidence-based thinking.

#### **Chemistry**

- Describe the composition of an atom and predict the amounts of subatomic particles in the atom.
- Describe the chemical composition of various substances and explain how the properties of the substance are related to its composition.

#### **Meteorology**

- Use infographics (reading graphs, charts, maps) to make informed weather decisions.
- Describe and understand how the climate impacts the lives of inhabitants.

## **Physics**

- Use critical thinking and problem skills to identify, evaluate, and solve multi-step problems by accessing all resources.
- Read, understand, and manipulate a linear algebraic equation.

## **Wellness**

### **Wellness/Health**

Students will be able to:

- Students will be able to understand the difference between health and wellness.
- Students will be able to understand how personal health choices will affect personal wellness and the wellness of others.
- Students will be able to assess and evaluate health information, products, and services which will improve a person's ability to make healthy decisions and improve one's quality of life.
- Students will be able to recognize that decisions influence every aspect of a person's life. How do effective decision-making skills and goal setting influence healthier lifestyle choices?
- Students will be able to understand why it is so difficult to become healthy and physically fit, why it is even harder to stay healthy and physically fit and how to set challenging fitness goals to stay committed to wellness.
- Students will be able to utilize interpersonal communication skills that aide in developing and maintaining healthy personal relationships.

### **Wellness/Physical Education**

Students will be able to:

- Students will be able to understand how movement concepts improve performance, how to make movement more interesting, fun and enjoyable, and how use of movement influences others.
- Students will be able to show personal and social responsibility during physical activity.
- Students will understand the importance of maintaining a healthy lifestyle using different means and modalities.
- Students will demonstrate and understand the importance of warm-up and cool down to prepare the body for activity and prevent injury.
- Students will understand how to evaluate intensity levels using target heart rate zones allowing for safe, progressive, and efficient training.

### **PE-High School Credit**

Students will be able to:

- Exhibit proficiency in 2+ activities (sports, dance, outdoor pursuits).
- Apply physics, anatomy, and strategy to performance.
- Designing and implementing a personal fitness/nutrition plan.
- Demonstrate self-management, safety, and proactive conflict resolution.

- Connect physical activity to fun, health, and self-expression.

### 8<sup>th</sup> Grade APC-Advanced Physical Conditioning

Students will be able to:

- **Efficiency:**  
Identify all major human movements and determine how each adds to a comprehensive workout.
- **Injury Prevention:**  
Build functional strength for daily life.
- **Performance:**  
Improves athletic ability.
- **Simplicity:**  
Simplify programming by focusing on patterns, not just exercises.

### 8<sup>th</sup> Grade Functional Fitness

Students will be able to:

- This course focuses on helping students build lifelong healthy habits through regular physical activity and personal wellness education (taking ownership in their fitness journey).
- Students will develop their strength, endurance, flexibility, coordination, and teamwork skills through a variety of fitness activities, games, and challenges.
- This class combines HIIT training, strength circuits, dance workouts, and outdoor challenges to help students discover the types of exercise they enjoy most.
- Students will leave this class confident, active, and ready for high school fitness.

### Related Arts

#### 7/8 Visual Arts

Students will be able to:

- Demonstrate an understanding of the Elements and Principles of art.
- Demonstrate **Artistic Process** by researching brainstorming, planning, development, and reflection.
- Build and demonstrate technical control of various media.
- Research and examine historical and contemporary and historical artists and artworks.
- Apply understanding of Tools/Safety/Process.

### Family and Consumer Sciences

Students will be able to:

#### **Nutrition and Wellness**

Students will be able to:

- Follow basic recipe to successfully create food product in lab
- Prepare and store food safely to prevent illness

- Demonstrate kitchen safety to prevent accidents
- Demonstrate understanding of reading a recipe which includes abbreviations and kitchen terminology
- Demonstrate procedure for kitchen sanitation – cleaning and food storage

### **Textiles**

Students will be able to:

- Apply knowledge of textile care to demonstrate ability to read a care label and launder properly
- Demonstrate the ability to repair clothing with basic stitches and button repair
- Demonstrate ability to care for clothing – stain removal, laundering, storage

### **Child Development**

Students will be able to:

- List and describe the developmental milestones that children progress through from birth through adolescence
- Describe the qualities of a safe environment for children.
- Describe the function and role of a babysitter
- Describe how to respond to common emergencies with care and responsibility towards self and children

## **Introduction to Robotics**

Students will be able to:

- Use basic block-based coding constructs to produce a specified outcome.
- Interpret and modify technical building schematics to complete a given task.
- Collaborate effectively with peers to solve a defined problem.

## **Advanced Robotics**

Students will be able to:

- Define a desired outcome and develop potential solutions using coding.
- Define a desired outcome and develop potential solutions using physical engineering techniques.
- Collaborate effectively with others to identify and implement solutions.

## **Business Information Technology**

Students will be able to:

- Demonstrate a consistent keyboarding speed of at least 30 words per minute with 95% accuracy.
- Effectively use basic software applications (e.g., Word, Excel, PowerPoint).
- Assess and analyze potential career paths based on personal interests and skills.
- Demonstrate understanding of key personal finance concepts, including saving, investing, decision-making, credit, and money management.

- Develop a basic small business concept by applying marketing and advertising strategies, conducting a SWOT analysis, and demonstrating understanding of basic business finances.
- Use technology responsibly as a tool for creativity, innovation, and productivity.
- Be able to design, develop, market, and manage a successful new business venture.

### **Introduction to Engineering Technology**

Students will be able to:

- Read, identify, comprehend, and use engineering terms correctly to assist in solving classroom activities and challenges.
- Use critical thinking and problem-solving skills to identify, evaluate, and solve multi-step problems. (design process)
- Create proper technical drawings.
- Research and document careers related to engineering, including educational options for these careers.

### **Advanced Engineering Technology**

Students will be able to:

- Use critical thinking and problem-solving skills to identify, evaluate, and solve multi-step problems.
- Identify and safely use machines to complete classroom projects.
- Document projects consistently using technical drawings and digital portfolios.
- Utilize 3D modeling using CAD software programs.

### **Spanish**

Students will be able to:

- Communicate in different modes – reading, writing, listening, and speaking – and for different purposes – interpretive, interpersonal, and presentation.
- Greet people, introduce themselves, and use expressions of courtesy.
- Express personal likes and dislikes and share interests and activities.
- Answer simple questions on familiar topics.
- Utilize the present tense.

### **HIJH Choir**

Students will be able to:

- Music Literacy: Students will demonstrate the ability to read and interpret musical notation, including identifying pitches on various staves, understanding rhythmic values, and successfully navigating musical scores using standard performance vocabulary and markings.
- Vocal Technique and Performance: Students will develop the skills to perform music both individually and as an ensemble, focusing on proper vocal techniques and collaborative elements like blend, intonation, and responsiveness to a director.

- Interpretation and Evaluation: Students will be able to interpret and evaluate musical performances by applying knowledge of keys and scales, using expression to enhance aesthetic quality, and utilizing sophisticated vocabulary to make mature judgments about artistic appropriateness.

#### **HIJH Musical Theatre**

Students will be able to:

- Vocal Performance: Students will utilize healthy vocal techniques to perform musical theatre repertoire.
- Characterization/Acting: Students will apply acting methods to learn, memorize and perform monologues, scenes and readings.
- Choreographed Movement: Students will execute choreography sequences using many different styles and vocabulary.
- History: Students will learn about and analyze the history of musical theatre and apply professional standards to evaluate productions.

#### **ENL**

Students will be able to:

- Recount: To display knowledge or narrate experiences or events
- Explain: To clarify the “why” or the “how” of ideas, actions, or phenomena
- Argue: To persuade by making claims supported by evidence
- Discuss: To interact with others to build meaning and share knowledge

#### **Beginning Band**

Students will be able to:

- Count and play basic rhythms including eighth notes and quarter notes.
- Play and understand notes of the concert Bb Scale.
- Play and understand basic articulations such as staccato, accents, and slurs.
- Play and demonstrate proper posture and breath support.
- Play and demonstrate a beginning level of tone quality.

#### **Varsity Band**

Students will be able to:

- Count and play basic rhythms including eighth notes, quarter notes, and dotted quarter notes.
- Play and understand notes of the Concert Bb and Eb scales.
- Play and understand basic articulations such as staccato, accents, slurs, and legato.
- Begin to understand intonation and produce good tone quality.

#### **Concert Band**

Students will be able to:

- Count and play rhythms including triplets and basic sixteenth note patterns.
- Play and understand notes of the Conc. Bb, Eb, F, and Chromatic scales.

- Play and understand articulations including staccato, accents, slurs, legato and marcato.
- Understand and demonstrate good intonation with a tuner.
- Demonstrate intermediate to advanced tone quality.

### **Symphonic Band**

Students will be able to:

- Count and Play rhythms including triplets, sixteenth note patterns and multi-meter rhythm patterns.
- Play and understand notes of the Bb, Eb, F, Ab and two octave chromatic scale.
- Play and understand articulations and how ALL articulations differ between styles of music.
- Understand and demonstrate intonation by ear and using a tuner.
- Play and demonstrate advanced intonation and tone quality.