

# WILLOUGHBY-EASTLAKE CITY SCHOOLS



## Middle School Program of Studies and Planning Guide 2025 - 2026

EVERY **PERSON** MATTERS. EVERY **MOMENT** COUNTS.

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**District Administration**

Dr. Patrick Ward, Superintendent

Michael Pennington, Assistant Superintendent

Nicholas Ciarniello, Treasurer

Katy Nagaj, Director of Teaching, Learning, and Innovation

Victoria Morley, Director of Workforce Development

Brian Patrick, Director of Human Resources

Heather Dodd, Director of Pupil Services

Andrea Tredent, Director of Technology

Gina Kevern, Director of Communications and Community Engagement

**Board of Education**

Stacy Menser, President

Jaime Shatsman, Vice President

Krista Bair, Member

Gabrielle Miller, Member

Denise Verdi, Member

**Eastlake Middle School**

35972 Lakeshore Blvd.

Eastlake, Ohio 44095

440-942-5696

**Administrator**

Ron Dahlhofer, Principal 440-942-3732

**Guidance Counselors**

Casey Cook 440- 283-2247

Leah Leshnack 440- 283-2248

**Willowick Middle School**

31500 Royalview Road

Willowick, Ohio 44095

**Administrators**

Scott Stasa, Principal 440-295-2408

Kaylee Flynt, Asst. Principal 440-295-2412

**Guidance Counselors**

Wendy McNeill 440-295-2414

Emilie Alesnik 440-295-2413

**Willoughby Middle School**

5000 Shankland Road

Willoughby, Ohio 44094

440-975-3600

**Administrators**

James Greene, Principal 440-975-3601

Michelle Johnson, Asst. Principal 440-975-3602

**Guidance Counselors**

Michelle Selby 440-975-3611

Sue Maise 440-975-3612

**School of Innovation**

32500 Chardon Road

Willoughby Hills, Ohio 44095

**Administrator**

Michael Bonick, Principal 440-283-4234

**Guidance Counselor**

Michelle Messina 440-975-4146

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**English Language Arts (ELA) and Math  
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**English Language Arts (ELA) and Math  
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**Honors  
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**Honors  
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**Advanced  
Math 7**

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**Honors  
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**Honors  
Geometry  
(H.S. Credit)**

Students will receive weighted grades for Honors English I, Honors Algebra I and Honors Geometry.

Grade point values for honors classes are:

A = 4.5 points, B = 3.5 points, C = 2.5 points, D = 1.5 points, F = 0 points

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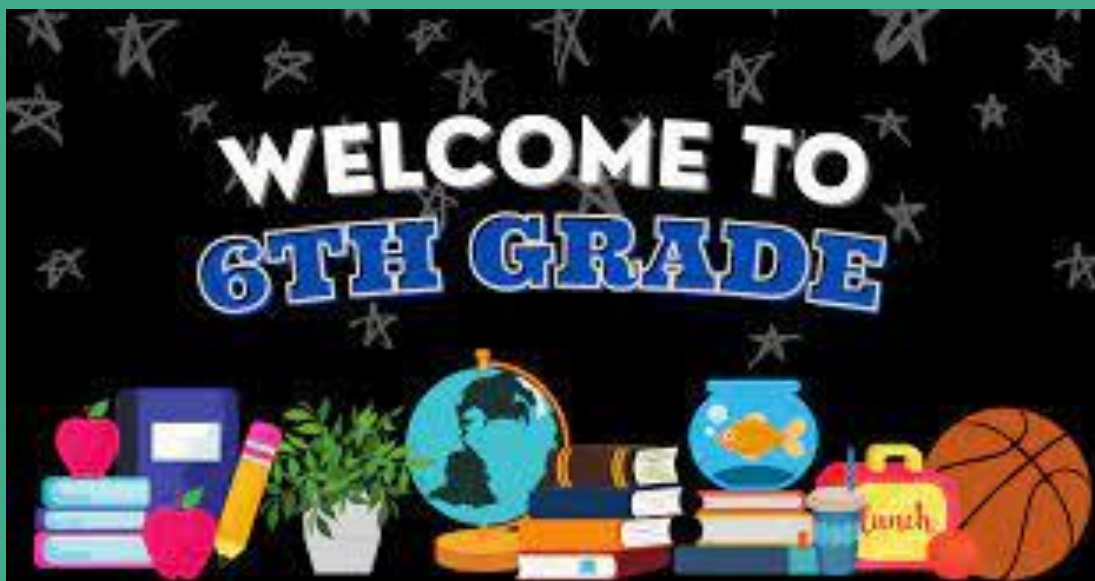
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# 6th Grade Program Course Selections

## General Courses

- English/Language Arts (ELA) 6 **OR** Honors ELA 6\*
- Math 6 or Advanced 6\*
- Science 6
- Social Studies 6
- Art 6 (1 Semester)
- Computer Literacy I (1 Quarter)
- Physical Education 6 (1 Semester)

## Electives

**Students MUST choose ONE of the following:**

- Instrumental Music 6 (Meets daily all year)
- Exploratory Music 6 (1 Quarter)
- Choir 6 (Meets daily all year)
- Pathways to Success (Willowick MS Only)

*(Courses are full-year, single period unless otherwise indicated.)*

*\*Indicates course requires prerequisite coursework or eligibility requirements.*

**All courses are offered based on enrollment and staff availability.**

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# 6th Grade General Course Descriptions

## M311 English Language Arts (ELA) 6

This course engages students in reading and writing aligned to the 6<sup>th</sup> grade Ohio Learning Standards. This course prepares students to learn how to proficiently read grade-appropriate complex literature and informational text while developing the ability to cite textual evidence to support analyses. Students will examine how authors use evidence to support views, how to engage in research to support arguments, and how to organize and share findings. Vocabulary studies will include the study of roots and affixes as well as word analysis to determine the meaning of academic words. Writing skills will continue to be refined with an emphasis upon how to answer questions with writing. Students successfully completing this course will be fully-prepared to enter ELA 7. **Fee Required**

## M3001 Math 6

This course engages students in math experiences aligned to the 6<sup>th</sup> grade Ohio Learning Standards. This course will focus upon 4 areas: 1) connecting ratio and rate to whole number multiplication and division and using concepts of rate and ratio to solve problems; 2) completing their understanding of division of fractions and extending the notion of number to the system of rational numbers, which includes negative numbers; 3) writing, interpreting, using expressions and equations; and 4) developing understandings of statistical thinking. Students successfully completing this course will be fully-prepared to enter Math 7. **Fee Required**

## M2001 Science 6

Science 6 engages students in learning experiences aligned to the ODE Science Standards. This course incorporates hands-on and inquiry-based learning opportunities. Studies will focus upon Earth and Space Science (ESS), Physical Science (PS), and Life Science (LS). ESS will focus upon the study of rocks, minerals and soil, which make up the lithosphere. PS will focus upon the study of foundational concepts of the particulate nature of matter, linear motion, and kinetic and potential energy. LS will focus upon the study of the basics of Modern Cell Theory. This course prepares students for Science 7. **Fee Required**

## M1001 Social Studies (SS) 6

Social Studies 6 engages students in learning experiences aligned to the ODE Social Studies Standards. This course focuses upon Regions and People of the Eastern Hemisphere, through the lenses of History, Geography, Economics, and Government. This course prepares students for Social Studies 7.

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### **M8011 Physical Education (PE) 6**

This course engages students in learning that uses the Focused Fitness Five for Life Curriculum Program to address the ODE Physical Education Standards and promote lifelong health and wellness. PE 6 builds upon learning in 5<sup>th</sup> grade PE and introduces students to the new expectations for students in grades 6-8. PE 6 prepares student for PE 7 and begins to prepare them for the required ODE Physical Education Evaluation for the 6-8 grade band which occurs in 8<sup>th</sup> grade.

### **M7001 Art 6**

This course engages students in exposure to historic and stylistic trends in art, while providing opportunities for students to create original works. An introductory exploration of different media and techniques will be provided. **Fee Required**

### **M7003 Instrumental Music 6**

The focus of this class is based upon two distinct elements that comprise the early development of young musicians. Students will study the fundamentals of music, including the reading of music, rhythmic concepts, musical terminology, musicianship and the skills needed to perform in an instrumental ensemble. Additionally, students will study the fundamentals of their instrument, including hand position, posture, tone production and technique. Though previous experience in beginning band and/or private lessons is desired, it is not required for this class.

### **M7002 Exploratory Music 6**

This course will develop the listening, analytical, and performance skills of students while engaging them in learning about a number of musical genres, including classical composers, popular musicians, identifying orchestral and world instruments, basic instrumental music skills, form and structure, music around the world, and current events in music.

### **M7006 Choir 6**

This course engages students in the study of vocal production, independence in part-singing, the refinement of technique, basic music theory, and introduction to various genres of music.

### **M3201 Computer Literacy I**

This course will introduce 6<sup>th</sup> grade students to touch-typing with emphasis on correct technique and speed building. They will also begin to use technology strategically to find and evaluate information. Internet safety will also be emphasized.

### **Pathways to Success (Willowick MS Only)**

A quarter-long course that will help the student with time management, organizations, and study skills. This course is set up to be a building block to build strong executive functioning skills that can be used for success in middle school, high school and post-graduation endeavors.

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# 6<sup>th</sup> Grade Honors Course Overview

## M112 Honors English Language Arts (ELA) 6

The 6<sup>th</sup> grade Honors English Language Arts Program, in combination with the 7<sup>th</sup> grade program, telescopes 6<sup>th</sup>-8<sup>th</sup> grade English Language Arts into a 2-year program, preparing students to enter Honors English I for high school credit in 8<sup>th</sup> grade. This more rigorous and challenging program requires additional reading/writing assignments and research beyond ELA 6, as well as possible participation in various contests and competitions. The Selection Criteria below will be used to identify students for placement in this program. **Fee Required**

### Suggested Selection Criteria:

Students who earn a 1<sup>st</sup> Semester grade of an A or B in ELA 5 and meet two of the following:

- Advanced or Accelerated on ELA OST
- Gifted Identification in Reading
- Exact Path diagnostic NPR of 80 or above

## M3004 Advanced Math 6

Advanced Math 6, places a strong emphasis on the continued study of integers, order of operations, variables, expressions, and equations. Students will solve equations and inequalities, write and solve proportions, and explore geometry, statistics, and graph concepts. Problem solving will be emphasized throughout the course. This curriculum is preparing students for Advanced Math 7 in 7<sup>th</sup> grade and Honors Algebra I in 8<sup>th</sup> grade, for HS credit. The selection criteria below will be used to identify students for placement in this more rigorous and challenging program. Students enrolled in this course will take the Grade 6 Math OST assessment in the Spring.

### Suggested Selection Criteria:

Students who earn a 1<sup>st</sup> Semester grade of an A or B in Math 5 and meet two of the following:

- Advanced or Accelerated on Math OST
- Gifted Identification in Math
- Exact Path diagnostic NPR of 80 or above

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Welcome to  
Grade 7



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# 7<sup>th</sup> Grade Program Course Selections

## General Courses

- English/Language Arts (ELA) 7 OR Honors ELA 7\*
- Math 7 OR Advanced 7\*
- Science 7 OR Honors Science 7\*
- Social Studies 7 OR Honors Social Studies 7\*
- Health 7 (1 Semester)
- Computer Literacy II (1 Quarter or 1 Semester)
- Physical Education 7 (1 Semester)

## Electives

**Students MUST choose ONE of the following:**

- Choir 7 (Meets daily all year)
- Instrumental Music 7 (Meets daily all year)
- Exploratory Music 7 (1 Quarter)
- Art 7 (1 Quarter)
- Career Connections 7 (All year)

*(Courses are full-year, single period unless otherwise indicated.)*

*\*Indicates course requires prerequisite coursework or eligibility requirements.*

*\*\* Indicates student will receive a high school credit upon completion*

**All courses are offered based on enrollment and staff availability.**

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# 7th Grade General Course Descriptions

## M111 English Language Arts (ELA) 7

This course engages students in reading and writing aligned to the 7<sup>th</sup> grade Ohio Learning Standards. This course prepares students to demonstrate an emerging sophistication in their ability to analytically read increasingly complex text. Students will recognize the interplay between setting, plot, and characters and learn to provide an objective summary of a text. The ability to compare and contrast different interpretations of a topic and evaluate the use of evidence will be refined. Emphasis on writing will include the ability to cite several sources of evidence, and produce clear introductions, transitions, and conclusions. Students successfully completing this course will be fully-prepared to enter ELA 8. **Fee Required**

## M3075 Math 7

This course engages students in math experiences aligned to the 7<sup>th</sup> grade Ohio Learning Standards. This course will focus upon 4 areas: 1) developing an understanding of and applying proportional relationships, 2) developing an understanding of operations with rational numbers and working with expressions and linear equations; 3) solving problems involving scale drawings and informal geometric constructions and working with 2D and 3D shapes to solve problems involving area, surface area, volume; and 4) drawing inferences about populations based on samples. Students successfully completing this course will be fully-prepared to enter Math 8. **Fee Required**

## M2101 Science 7

Science 7 engages students in learning experiences aligned to the ODE Science Standards. This course incorporates hands-on and inquiry-based learning opportunities. Studies will focus upon Earth and Space Science (ESS), Physical Science (PS), and Life Science (LS). ESS will focus upon study of Earth's hydrologic cycle, patterns that exist in atmospheric and oceanic currents, the relationship between thermal energy and the currents, and the relative position and movement of the Earth, sun and moon. PS will focus upon the study of the empirical evidence for the arrangements of atoms on the Periodic Table of Elements, conservation of mass and energy, transformation and transfer of energy. ESS will focus upon the impact of matter and energy transfer within the biotic component of ecosystems. This course prepares students for Science 8. **Fee Required**

## M1101 Social Studies (SS) 7

Social Studies 7 engages students in learning experiences aligned to the ODE Social Studies Standards. This course focuses upon World Studies from 750 B.C. to 1600 A.D.: Ancient Greece to the First Global Age through the lenses of History, Geography, Economics, and Government. This course prepares students for Social Studies 8.

## M3801 Computer Literacy II

This course will further students' skills in finding and evaluating information. Students will be able to produce and share original content with the use of various technology tools and applications using different types of electronic devices.

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### **M8111 Physical Education (PE) 7**

This course engages students in learning that uses the Focused Fitness Five for Life Curriculum Program to address the ODE Physical Education Standards and promote lifelong health and wellness. PE 7 builds upon learning in PE 6 and prepares students for PE 8 and the required ODE Physical Education Evaluation for the 6-8 grade band which occurs in 8<sup>th</sup> grade.

### **M8110 Health 7**

This course will provide students an opportunity to develop an understanding of health concepts, behaviors, and skills that reduce health risks and enhance the health and well-being of self and others, to set personal health goals, and to evaluate health information, products, services, and the effects of health behaviors on the community. Specific topics will include personal safety, personal fitness, the prevention and control of communicable and non-communicable diseases, the development of healthy relationships, communication skills, medication and substance abuse and sexuality education that focuses on dating education.

### **M7103 Instrumental Music 7**

The focus of this class is based upon two distinct elements that comprise the continuing development of intermediate level musicians. Students will study the fundamentals of music, including the reading of music, rhythmic concepts, musical terminology, musicianship and the skills needed to perform in an instrumental ensemble. Additionally, students will study the fundamentals of their instrument, including hand position, posture, tone production and technique. Though private lessons are desired, they are not required for this class. Beginning musicians will require additional study and instruction.

### **M7106 Choir 7**

This course engages students in the study of vocal production, independence in part-singing, the refinement of technique, basic music theory, and introduction to various genres of music.

### **M7102 Exploratory Music 7**

This course promotes student development of listening, analytical, and performance skills while engaging them in learning about a number of musical genres, including classical composers with an in-depth look at selected major musical works, popular musicians, musical notation (reading and writing music), forms and structure, music around the world, and current events in music.

### **M7101 Art 7**

This course engages students in exposure to historic and stylistic trends in art, while providing opportunities for students to create original works. An introductory exploration of different media and techniques will be provided. **Fee Required**

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## M991399 Career Connections 7

Career Connections explores how classroom learning translates into marketable skills. Through hands-on learning and local business involvement, students will engage in career-related experiences to acquire basic skills in various career fields. These opportunities provide students with tangible experiences to begin career decision making. Teachers have the flexibility to select career fields relating to Ohio's in-demand jobs as well as skills and activities that align with local priorities.

# 7<sup>th</sup> Grade Honors Course Overview

**\*\*Please note that High School Credit coursework grades will be reflected on the student's High School transcript and will become a part of the High School G.P.A. which is reported to colleges/universities.**

## M115 Honors English Language Arts (ELA) 7

This course seeks to continue the rigor provided in Honors ELA 6. The 6<sup>th</sup> grade Honors English Language Arts Program, in combination with the 7<sup>th</sup> grade program, telescopes 6<sup>th</sup>-8<sup>th</sup> grade ELA into a 2-year program, preparing students to enter Honors English I for HS credit in 8<sup>th</sup> grade. This program requires additional reading/writing assignments and research, as well as possible participation in various contests/ competitions. The Selection Criteria below will be used to identify students for placement. **Fee Required**

### Suggested Selection Criteria:

- Students enrolled in Honors ELA 6 with a 1<sup>st</sup> Semester grade of an A or B
- OR**
- Students who earn a 1<sup>st</sup> Semester grade of an A or B in ELA 6 and receive two of the following:
    - Advanced or Accelerated on ELA OST
    - Gifted Identification in Reading
    - Exact Path diagnostic NPR of 80 or above

## M3072 Advanced Math 7

Advanced Math 7 places a strong emphasis on the geometric figures, equations and inequalities, and linear functions. Students will solve and graph equations and inequalities, write and solve proportions, and explore geometry, probability, and graph concepts. Problem solving will be emphasized throughout the course. Students will take the Grade 7 Math OST in the Spring. Students will work through this challenging course to prepare for Honors Algebra I in 8<sup>th</sup> grade (HS credit).

### Suggested Selection Criteria:

- Students who earn a 1<sup>st</sup> Semester grade of an A or B in Math 6 and receive two of the following:
  - Advanced or Accelerated on Math OST
  - Gifted Identification in Math
  - Exact Path diagnostic NPR of 80 or above

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## M1005 Honors Social Studies (SS) 7

Honors Social Studies 7 engages students in learning experiences aligned to the ODE Social Studies Standards. This course focuses upon World Studies from 750 B.C. to 1600 A.D.: Ancient Greece to the First Global Age through the lenses of History, Geography, Economics, and Government. This rigorous curriculum includes project based learning beyond the scope of Social Studies 7. This course prepares students for Honors Social Studies 8.

### Suggested Selection Criteria:

- Students who are enrolled in Honors Social Studies 6 with a 1<sup>st</sup> Semester grade of an A or B
- OR
- Students who earn a 1<sup>st</sup> Semester grade of an A or B in Social Studies 6 and receive two of the following:
  - Advanced or Accelerated on ELA AIR
  - Gifted Identification in Reading
  - Exact Path diagnostic NPR of 80 or above

## M2005 Honors Science 7

Honors Science 7 engages students in learning experiences aligned to the ODE Science Standards. This course incorporates hands-on and inquiry based learning opportunities. Studies will focus upon Earth and Space Science (ESS), Physical Science (PS), and Life Science (LS). ESS will focus upon study of Earth's hydrologic cycle, patterns that exist in atmospheric and oceanic currents, the relationship between thermal energy and the currents, and the relative position and movement of the Earth, sun and moon. PS will focus upon the study of the empirical evidence for the arrangements of atoms on the Periodic Table of Elements, conservation of mass and energy, transformation and transfer of energy. ESS will focus upon the impact of matter and energy transfer within the biotic component of ecosystems. This rigorous curriculum includes project based learning beyond the scope of Science 7. This course prepares students for Honors Science 8. **Fee Required**

### Suggested Selection Criteria:

- Students who earn a 1<sup>st</sup> Semester grade of an A or B in Math 6 and receive two of the following:
  - Advanced or Accelerated on Math OST
  - Gifted Identification in Math
  - Exact Path diagnostic NPR of 80 or above

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# 8<sup>th</sup> Grade Program Course Selections

## General Courses

- English/Language Arts (ELA) 8 **OR** Honors English 8\*\* **AND** Spanish I (1-Period each)\*\*
- Math 8 **OR** Honors Algebra I\*\* **OR** Honors Geometry\*\*
- Science 8 **OR** Honors Science 8\*
- Social Studies 8 **OR** Honors Social Studies 8\*
- Art 8 (1 Semester)
- Physical Education 8 (1 Semester)

## Electives

**Students MAY choose ONE of the following:**

- Choir 8 (Meets daily all year)
- Instrumental Music 8 (Meets daily all year)
- Career Connections 8 (All year)

**Students need to meet eligibility to enroll in:**

- Computer Science I\*\* (1 Semester)
- PLTW App Creators \*\*\* (1 Semester)

*(Courses are full-year, single period unless otherwise indicated.)*

*\*Indicates course requires prerequisite coursework or eligibility requirements.*

*\*\* Indicates student will receive a high school credit upon completion*

**All courses are offered based on enrollment and staff availability.**

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# 8th Grade General Course Descriptions

## M211 English Language Arts (ELA) 8

This course engages students in reading and writing aligned to the Ohio Learning Standards. This course incorporates exposure to fiction and non-fiction reading and in text analysis, while building student capacity to cite textual evidence to support an analysis/critique, engage in research/presentation of findings, and use rich vocabulary in speaking and writing. Students successfully completing this course will be fully-prepared to enter English I in 9<sup>th</sup> grade. **Fee Required**

## M3085 Math 8

This course engages students in math experiences aligned to the Ohio Learning Standards. Course will focus upon 3 areas: 1) formulating and reasoning about expressions and equations, including modeling an association in bivariate data with linear equations, solving linear equations, and systems of linear equations, 2) understanding the concept of a function and use of functions to describe quantitative relationships; and 3) analysis of 2D and 3D space and figures using distance, angle, similarity, congruence, and understanding and application of the Pythagorean Theorem. Students successfully completing this course will be fully-prepared to enter Algebra I in 9<sup>th</sup> grade. **Fee Required**

## M2201 Science 8

Science 8 engages students in learning experiences aligned to the ODE Science Standards. This course incorporates hands-on and inquiry-based learning opportunities. Studies will focus upon Earth and Space Science (ESS), Physical Science (PS), and Life Science (LS). ESS will focus upon study of the physical features of Earth and how they formed. This includes the interior of Earth, the rock record, plate tectonics and landforms. PS will focus upon the study of forces and motion within, on and around the Earth and within the universe. LS will focus upon the diversity and continuation of species. This course prepares students for Physical Science in 9<sup>th</sup> grade. **Fee Required**

## M1201 Social Studies (SS) 8

Social Studies 8 engages students in learning experiences aligned to the ODE Social Studies Standards. This course focuses upon the study of the U.S. from 1492 to 1877: Exploration through Reconstruction through the lenses of History, Geography, Economics, and Government. This course prepares students for World History 9<sup>th</sup> grade.

## M8211 Physical Education (PE) 8

This course engages students in learning that uses the Focused Fitness Five for Life Curriculum Program to address the ODE Physical Education Standards and promote lifelong health and wellness. PE 8 culminates in the administration of the required ODE Physical Education Evaluation for the 6-8 grade band.

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### **M982139 Personal Fitness (PE elective) 8**

This elective course gives students the opportunity to learn fitness and conditioning techniques used for obtaining optimal physical fitness.

### **M7201 Art 8 (1 Semester Course)**

This course engages students in the exploration of historic and stylistic trends in art. Visual Art vocabulary, techniques, and a variety of media will be applied to create both two-dimensional and three-dimensional works of art. **Fee Required**

### **M7205 Instrumental Music 8**

The focus of this class is based upon two distinct elements that comprise the continuing development of more advanced musicians. Students will study the fundamentals of music, including the reading of music, rhythmic concepts, musical terminology, musicianship and the skills needed to perform in an instrumental ensemble. Additionally, students will study the fundamentals of their instrument, including hand position, posture, tone production and technique. Though private lessons are desired, they are not required for this class. Beginning musicians will require additional study and instruction.

### **M7207 Choir 8**

This course engages students in the study of vocal production, independence in part-singing, the development of music reading and ear training skills, music theory, and familiarity with various genres of music.

### **M3802 App Creators (1 Quarter Course )**

This course introduces students to the concept of pair programming, app development, and the MIT App Inventor development tool. They learn about the Model-View-Controller (MVC) design pattern, app graphical design, event-driven programming, debugging, and algorithm creation using variables and conditional logic. They create engaging biomedical science apps and fun interactive games that apply these concepts and use basic user interface features, media, and animation.

### **M3900 Computer Science I (1 Semester Course - High School Credit\*\*)**

This high school credit course engages students in an introduction to the use of computers, basic programming, and several software applications.

### **M991400 Career Connections 8**

Career Connections explores how classroom learning translates into marketable skills. Through hands-on learning and local business involvement, students will engage in career-related experiences to acquire basic skills in various career fields. These opportunities provide students with tangible experiences to begin career decision making. Teachers have the flexibility to select career fields relating to Ohio's in-demand jobs as well as skills and activities that align with local priorities.

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# 8<sup>th</sup> Grade Honors Course Overview

**\*\*Please note that High School Credit coursework grades will be reflected on the student's High School Transcript and will become a part of the High School G.P.A., which is reported to colleges/universities.**

## M107 Honors English Language Arts (ELA) 8

Honors English 8 continues the rigor that students experienced in Honors ELA 7 to prepare students to enter Honors English I in 9th grade. . The course requires additional reading/writing assignments and research, as well as possible participation in various contests/ competitions. The Selection Criteria below will be used to identify students for placement in this course. Student's will take the 8<sup>th</sup> Grade ELA AIR assessment.

### **Fee Required**

#### **Suggested Selection Criteria:**

- Students enrolled in Honors ELA 7 with a 1<sup>st</sup> Semester grade of an A or B
- OR**
- Students who earn a 1<sup>st</sup> Semester grade of an A or B in ELA 7 and receive two of the following:
  - Advanced or Accelerated on ELA OST
  - Gifted Identification in Reading
  - Exact Path Diagnostic NPR of 80 or above

## M3093 Honors Algebra I (High School Credit\*\*)

Honors Algebra I is a high school course currently offered to eligible 8<sup>th</sup> grade Math students. This course content/pacing directly reflects the course offered at both NHS and SHS to 9<sup>th</sup> grade students. This course assumes student mastery of 8<sup>th</sup> grade Math content. This rigorous and challenging course requires students to take a state-mandated end-of-course exam that counts toward the new graduation requirements. The Selection Criteria below will be used to identify students for placement in this course.

#### **Suggested Selection Criteria:**

- Students who are enrolled in Pre-Algebra (Advanced Math 7) with a 1<sup>st</sup> Semester grade of an A or B
- OR**
- Students who earn a 1<sup>st</sup> Semester grade of an A or B in Math 7 and receive two of the following:
  - Advanced or Accelerated on Math OST
  - Gifted Identification in Math
  - Exact Path Diagnostic NPR of 80 or above

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### 3091 Honors Geometry (High School Credit\*\*)

Honors Geometry is a high school course currently offered to eligible 8<sup>th</sup> grade Math students. This course content/pacing directly reflects the course offered at both NHS and SHS to 9<sup>th</sup> grade students. This course assumes student mastery of Algebra content. This rigorous and challenging course requires students to take the state-mandated end of course exam. The Selection Criteria below will be used to identify students for placement in this course.

#### Suggested Selection Criteria:

**Student Successful Completion of Honors Algebra I**

### M2007 Honors Science 8

Honors Science 8 engages students in learning experiences aligned to the ODE Science Standards. This course incorporates hands-on and inquiry-based learning opportunities. Studies will focus upon Earth and Space Science (ESS), Physical Science (PS), and Life Science (LS). ESS will focus upon study of the physical features of Earth and how they formed. This includes the interior of Earth, the rock record, plate tectonics and landforms. PS will focus upon the study of forces and motion within, on and around the Earth and within the universe. LS will focus upon the diversity and continuation of species. This rigorous curriculum includes project based learning beyond the scope of Science 8. This course prepares students for Honors Biology in 9<sup>th</sup> grade. **Fee Required**

#### Suggested Selection Criteria:

- Students who are enrolled in Honors Science 7 with a 1<sup>st</sup> Semester grade of an A or B
- OR**
- Students who earn a 1<sup>st</sup> Semester grade of an A or B in Science 7 and receive two of the following:
    - Advanced or Accelerated on ELA or Math OST
    - Gifted Identification in Reading or Math
    - Exact Path Diagnostic NPR of 80 or above

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## M1007 Honors Social Studies (SS) 8

Honors Social Studies 8 engages students in learning experiences aligned to the ODE Social Studies Standards. This course focuses upon the study of the U.S. from 1492 to 1877: Exploration through Reconstruction through the lenses of History, Geography, Economics, and Government. This rigorous curriculum includes project based learning beyond the scope of Social Studies 8. This course prepares students for Honors World History in 9<sup>th</sup> grade

### **Suggested Selection Criteria:**

- Students who are enrolled in Honors Social Studies 7 with a 1<sup>st</sup> Semester grade of an A or B
- OR**
- Students who earn a 1<sup>st</sup> Semester grade of an A or B in Social Studies 7 and receive two of the following:
  - Advanced or Accelerated on ELA OST
  - Gifted Identification in Reading
  - Exact Path Diagnostic NPR of 80 or above

## M4304 Spanish I (High School Credit\*\*)

Spanish I is a high school World (Foreign) Language course currently offered to eligible 8<sup>th</sup> grade students. Course content and pacing directly reflects these courses which are offered at both NHS and SHS to 9<sup>th</sup> grade students. The Selection Criteria below will be used to identify students for placement in this course.

### **Suggested Selection Criteria:**

Students must be enrolled in Honors English I to be eligible to enroll in Spanish

## M3900 Computer Science I (1 Semester Course - High School Credit\*\*)

This high school credit course engages students in an introduction to the use of computers, basic programming, and several software applications.

### **Suggested Selection Criteria:**

Students must be enrolled in a High School level course to be eligible to enroll in Computer Science I

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# 6th Grade Program Course Selections

## General Courses

- English/Language Arts (ELA) OR 6 Honors English/Language Arts 6
- Math 6 **OR** Math 7
- Science 6
- Social Studies 6
- Art 6 (1 Quarter)
- Computer Literacy I (1 Quarter)
- Physical Education 6 (1 Semester)

## Electives

**Students MUST choose ONE of the following:**

- Instrumental Music 6 (Meets daily all year)
- Exploratory Music 6 (1 Quarter)

*(Courses are full-year, single period unless otherwise indicated.)*

*\*Indicates course requires prerequisite coursework or eligibility requirements.*

*\*\* Indicates student will receive a high school credit upon completion*

**All courses are offered based on enrollment and staff availability.**

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Overview

Grade 6

Grade 7

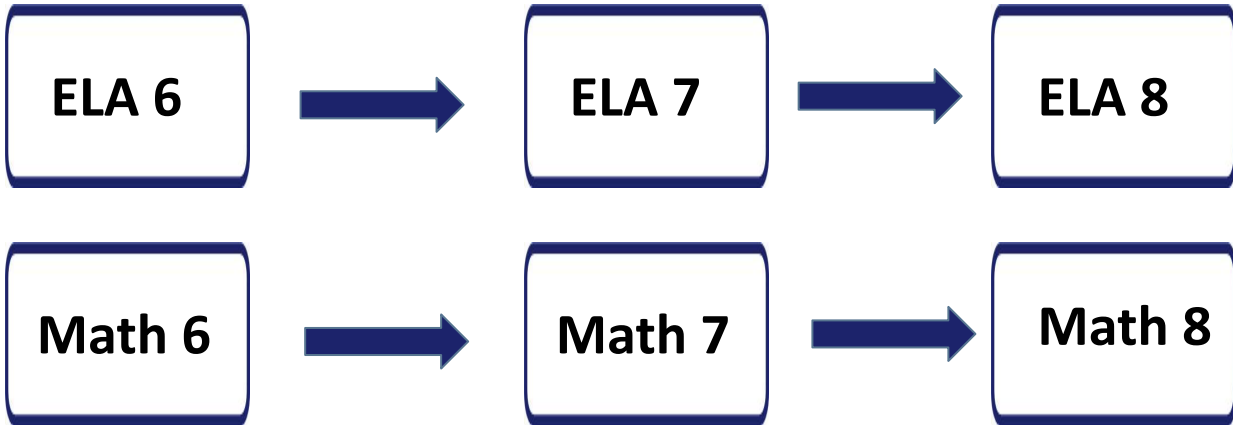
Grade 8

SOI



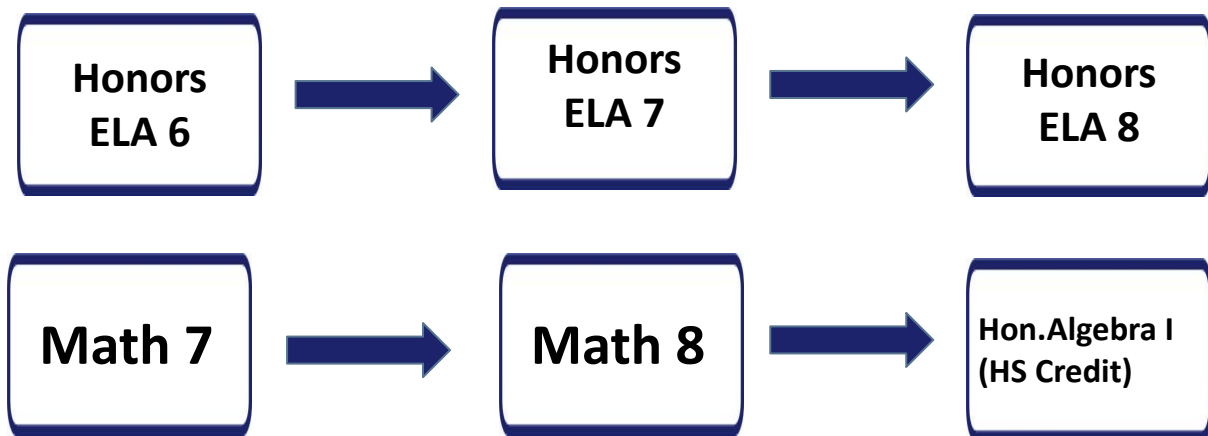
## English Language Arts (ELA) and Math

### College Preparation Flow Chart



## English Language Arts (ELA) and Math

### Honors Preparation Flow Chart



**\*Honors Geometry (H.S. Credit) will continue to be offered through the 2026-27 school year for students already on this path.**

Students will receive weighted grades for Honors English I, Honors Geometry and Honors Algebra I.  
Grade point values for honors classes are:

A = 4.5 points, B = 3.5 points, C = 2.5 points, D = 1.5 points, F = 0 points

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# 6th Grade Program Course Selections

## M311 English Language Arts (ELA) 6

This course engages students in reading and writing aligned to the 6<sup>th</sup> grade Common Core ELA State Standards. This course prepares students to learn how to proficiently read grade-appropriate complex literature and informational text while developing the ability to cite textual evidence to support analyses. Students will examine how authors use evidence to support views, how to engage in research to support arguments, and how to organize and share findings. Vocabulary studies will include the study of roots and affixes as well as word analysis to determine the meaning of academic words. Writing skills will continue to be refined with an emphasis upon how to answer questions with writing. Students successfully completing this course will be fully-prepared to enter ELA 7. **Fee Required**

## M3001 Math 6

This course engages students in math experiences aligned to the 6<sup>th</sup> grade Common Core Math Standards. This course will focus upon 4 areas: 1) connecting ratio and rate to whole number multiplication and division and using concepts of rate and ratio to solve problems; 2) completing their understanding of division of fractions and extending the notion of number to the system of rational numbers, which includes negative numbers; 3) writing, interpreting, using expressions and equations; and 4) developing understandings of statistical thinking. Students successfully completing this course will be fully-prepared to enter Math 7. **Fee Required**

## M2001 Science 6

Science 6 engages students in learning experiences aligned to the ODE Science Standards. This course incorporates hands-on and inquiry-based learning opportunities. Studies will focus upon Earth and Space Science (ESS), Physical Science (PS), and Life Science (LS). ESS will focus upon the study of rocks, minerals and soil, which make up the lithosphere. PS will focus upon the study of foundational concepts of the particulate nature of matter, linear motion, and kinetic and potential energy. LS will focus upon the study of the basics of Modern Cell Theory. This course prepares students for Science 7. **Fee Required**

## M1001 Social Studies (SS) 6

Social Studies 6 engages students in learning experiences aligned to the ODE Social Studies Standards. This course focuses upon Regions and People of the Eastern Hemisphere, through the lenses of History, Geography, Economics, and Government. This course prepares students for Social Studies 7.

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# 6th Grade Program Course Selections

## M8011 Physical Education (PE) 6

This course engages students in learning that uses the Focused Fitness Five for Life Curriculum Program to address the ODE Physical Education Standards and promote lifelong health and wellness. PE 6 builds upon learning in 5<sup>th</sup> grade PE and introduces students to the new expectations for students in grades 6-8. PE 6 prepares student for PE 7 and begins to prepare them for the required ODE Physical Education Evaluation.

## M7001 Art 6

This course engages students in exposure to historic and stylistic trends in art, while providing opportunities for students to create original works. An introductory exploration of different media and techniques will be provided. **Fee Required**

## M7003 Instrumental Music 6

The focus of this class is based upon two distinct elements that comprise the early development of young musicians. Students will study the fundamentals of music, including the reading of music, rhythmic concepts, musical terminology, musicianship and the skills needed to perform in an instrumental ensemble. Additionally, students will study the fundamentals of their instrument, including hand position, posture, tone production and technique. Though previous experience in beginning band and/or private lessons is desired, it is not required for this class.

## M7002 Exploratory Music 6

This course will develop the listening, analytical, and performance skills of students while engaging them in learning about a number of musical genres, including classical composers, popular musicians, identifying orchestral and world instruments, basic instrumental music skills, form and structure, music around the world, and current events in music.

## M3201 Computer Literacy I

This course will have 6th grade students using Code.org's Middle School Discoveries coursework. Specifically using Units 1 and 2. In Unit 1 students learn how computers input, output, store, and process information to help people solve problems. In Unit 2, students learn how to create and share content on their own web pages. Students will learn how to structure and style their pages using HTML (Hypertext Markup Language) and CSS (Cascading Style Sheets). Students will learn about Creative Common Licenses too. By the end of the quarter students will design their own web pages on [code.org](https://code.org)

# 6<sup>th</sup> Grade Honors Course Overview

## M112 Honors English Language Arts (ELA) 6

The 6<sup>th</sup> grade Honors English Language Arts Program, in combination with the 7<sup>th</sup> grade program, telescopes 6<sup>th</sup>-8<sup>th</sup> grade English Language Arts into a 2-year program, preparing students to enter Honors English I for high school credit in 8<sup>th</sup> grade. This more rigorous and challenging program requires additional reading/writing assignments and research beyond ELA 6, as well as possible participation in various contests and competitions. The Selection Criteria below will be used to identify students for placement in this program. **Fee Required**

### Suggested Selection Criteria:

Students who earn a 1<sup>st</sup> Semester grade of an A or B in ELA 5 and meet two of the following:

- Advanced or Accelerated on ELA OST
- Gifted Identification in Reading
- Exact Path diagnostic NPR of 80 or above

## M3075 Math 7

This course engages students in math experiences aligned to the 7<sup>th</sup> grade Common Core Math Standards. This course will focus upon 4 areas: 1) developing an understanding of and applying proportional relationships, 2) developing an understanding of operations with rational numbers and working with expressions and linear equations; 3) solving problems involving scale drawings and informal geometric constructions and working with 2D and 3D shapes to solve problems involving area, surface area, volume; and 4) drawing inferences about populations based on samples. Students successfully completing this course will be fully-prepared to enter Math 8. **Fee Required**

### Suggested Selection Criteria:

Students who earn a 1<sup>st</sup> Semester grade of an A or B in Math 6 and meet two of the following:

- Advanced or Accelerated on Math OST
- Gifted Identification in Math
- Exact Path diagnostic NPR of 70 or above

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# 7<sup>th</sup> Grade Program Course Selections

## General Courses

- English/Language Arts (ELA) 7 **OR** Honors English/Language Arts 7
- Math 7 **OR** Math 8\*\* **OR** Honors Algebra I\*\*
- Honors Science 7
- Honors Social Studies 7
- Computer Literacy II (1 Quarter)
- Wellness (1 Semester)

## Electives

**Students MUST choose ONE of the following Music Courses:**

- Instrumental Music 7 (Meets daily all year)
- Exploratory Music 7 (1 Quarter)
- Art 7 (1 Quarter)
- Career Connections 7 (All year)

*(Courses are full-year, single period unless otherwise indicated.)*

*\*Indicates course requires prerequisite coursework or eligibility requirements.*

*\*\* Indicates student will receive a high school credit upon completion*

**All courses are offered based on enrollment and staff availability**

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Overview

Grade 6

Grade 7

Grade 8

SOI

# 7th Grade General Course Descriptions

## M111 English Language Arts (ELA) 7

This course engages students in reading and writing aligned to the 7<sup>th</sup> grade Common Core ELA State Standards. This course prepares students to demonstrate an emerging sophistication in their ability to analytically read increasingly complex text. Students will recognize the interplay between setting, plot, and characters and learn to provide an objective summary of a text. The ability to compare and contrast different interpretations of a topic and evaluate the use of evidence will be refined. Emphasis on writing will include the ability to cite several sources of evidence, and produce clear introductions, transitions, and conclusions. Students successfully completing this course will be fully-prepared to enter ELA 8. **Fee Required**

## M3075 Math 7

This course engages students in math experiences aligned to the 7<sup>th</sup> grade Common Core Math Standards. This course will focus upon 4 areas: 1) developing an understanding of and applying proportional relationships, 2) developing an understanding of operations with rational numbers and working with expressions and linear equations; 3) solving problems involving scale drawings and informal geometric constructions and working with 2D and 3D shapes to solve problems involving area, surface area, volume; and 4) drawing inferences about populations based on samples. Students successfully completing this course will be fully-prepared to enter Math 8. **Fee Required**

## M3801 Computer Literacy II

This course will further students' skills in finding and evaluating information. Students will be able to produce and share original content with the use of various technology tools and applications using different types of electronic devices.

## M7103 Instrumental Music 7

The focus of this class is based upon two distinct elements that comprise the continuing development of intermediate level musicians. Students will study the fundamentals of music, including the reading of music, rhythmic concepts, musical terminology, musicianship and the skills needed to perform in an instrumental ensemble. Additionally, students will study the fundamentals of their instrument, including hand position, posture, tone production and technique. Though private lessons are desired, they are not required for this class. Beginning musicians will require additional study and instruction.

## M7102 Exploratory Music 7

This course promotes student development of listening, analytical, and performance skills while engaging them in learning about a number of musical genres, including classical composers with an in-depth look at selected major musical works, popular musicians, musical notation (reading and writing music), forms and structure, music around the world, and current events in music.

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## M7101 Art 7

This course engages students in exposure to historic and stylistic trends in art, while providing opportunities for students to create original works. An introductory exploration of different media and techniques will be provided. **Fee Required**

## M8070 Wellness 7

This course engages students in learning that uses the Focused Fitness Five for Life Curriculum Program to address the Ohio Department of Education Standards and promote lifelong health and wellness. This course also allows students the opportunity to understanding of health concepts, behaviors, and skills that reduce health risks and enhance the health and well-being of oneself and others. (1 quarter PE and 1 quarter Health)

## M991399 Career Connections 7

Career Connections explores how classroom learning translates into marketable skills. Through hands-on learning and local business involvement, students will engage in career-related experiences to acquire basic skills in various career fields. These opportunities provide students with tangible experiences to begin career decision making. Teachers have the flexibility to select career fields relating to Ohio's in-demand jobs as well as skills and activities that align with local priorities.

# 7th Grade Honors Course Descriptions

**\*\*Please note that High School Credit coursework grades will be reflected on the student's High School transcript and will become a part of the High School G.P.A. which is reported to colleges/universities.**

## M115 Honors English Language Arts (ELA) 7

This course seeks to continue the rigor provided in Honors ELA 6. The 6<sup>th</sup> grade Honors English Language Arts Program, in combination with the 7<sup>th</sup> grade program, telescopes 6<sup>th</sup>-8<sup>th</sup> grade ELA into a 2-year program, preparing students to enter Honors English I for HS credit in 8<sup>th</sup> grade. This program requires additional reading/writing assignments and research, as well as possible participation in various contests/ competitions. The Selection Criteria below will be used to identify students for placement. **Fee Required**

### Suggested Selection Criteria:

- Students enrolled in Honors ELA 6 with a 1<sup>st</sup> Semester grade of an A or B
- OR**
- Students who earn an A or B in ELA 6 and receive two of the following:
  - Advanced or Accelerated on ELA OST
  - Gifted Identification in Reading
  - Exact Path diagnostic NPR of 70 or above

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## M3093 Honors Algebra I (High School Credit\*\*)

Honors Algebra I is the second course in the MS Honors Math Program, seeking to continue the rigor provided in Pre-Algebra. This course requires student mastery of 7<sup>th</sup> and 8<sup>th</sup> grade Math for success in Honors Algebra I for HS credit. Students who successfully complete this course will enroll in Honors Geometry in 8<sup>th</sup> grade for HS credit. This rigorous and challenging course requires students to take a state-mandated end-of-course exam that counts toward the new graduation requirements. The Selection Criteria below is used to place students in this program.

### Suggested Selection Criteria:

- Students enrolled in Pre-Algebra with a 1<sup>st</sup> Semester grade of an A or B
- OR**
- Students who earn an A or B in Math 7 and receive two of the following:
    - Advanced or Accelerated on Math OST
    - Gifted Identification in Math
    - Exact Path diagnostic NPR of 70 or above

## M3085 Math 8

This course engages students in math experiences aligned to the Common Core Math Standards. Course will focus upon 3 areas: 1) formulating and reasoning about expressions and equations, including modeling an association in bivariate data with linear equations, solving linear equations, and systems of linear equations, 2) understanding the concept of a function and use of functions to describe quantitative relationships; and 3) analysis of 2D and 3D space and figures using distance, angle, similarity, congruence, and understanding and application of the Pythagorean Theorem. Students successfully completing this course will be fully-prepared to enter Algebra I in 9<sup>th</sup> grade.

### **Fee Required**

### Suggested Selection Criteria:

- Students who earn an A or B in Math 7 and meet two of the following:
  - Advanced or Accelerated on Math AIR
  - Gifted Identification in Math
  - Exact Path diagnostic with NPR of 70 or above





## M2005 Honors Science 7

Honors Science 7 engages students in learning experiences aligned to the ODE Science Standards. This course incorporates hands-on and inquiry based learning opportunities. Studies will focus upon Earth and Space Science (ESS), Physical Science (PS), and Life Science (LS). ESS will focus upon study of Earth's hydrologic cycle, patterns that exist in atmospheric and oceanic currents, the relationship between thermal energy and the currents, and the relative position and movement of the Earth, sun and moon. PS will focus upon the study of the empirical evidence for the arrangements of atoms on the Periodic Table of Elements, conservation of mass and energy, transformation and transfer of energy. ESS will focus upon the impact of matter and energy transfer within the biotic component of ecosystems. This rigorous curriculum includes project based learning beyond the scope of Science 7. This course prepares students for Honors Science 8. **Fee Required**

## M1005 Honors Social Studies (SS) 7

Honors Social Studies 7 engages students in learning experiences aligned to the ODE Social Studies Standards. This course focuses upon World Studies from 750 B.C. to 1600 A.D.: Ancient Greece to the First Global Age through the lenses of History, Geography, Economics, and Government. This rigorous curriculum includes project based learning beyond the scope of Social Studies 7. This course prepares students for Honors Social Studies 8.



# 8<sup>th</sup> Grade Program Course Selections

## General Courses

- English/Language Arts (ELA) 8 **OR** Honors English/Language Arts (ELA) 8
- Math 8 **OR** Honors Algebra I\*\* **OR** Honors Geometry\*\*
- Honors Science 8
- Honors Social Studies 8

## Electives

**Students MAY choose ONE or more of the following:**

- Instrumental Music 8 (Meets daily all year)
- Spanish I \*\*(Meets daily all year)
- Art 8 (1 Semester)
- Physical Education 8 (1 Quarter) (Wellness)
- App Creators Course\*\*(1 Semester)
- Career Connections (All year)

*(Courses are full-year, single period unless otherwise indicated.)*

*\*Indicates course requires prerequisite coursework or eligibility requirements.*

*\*\* Indicates student will receive a high school credit upon completion*

**All courses are offered based on enrollment and staff availability**

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# 8th Grade General Course Descriptions

## M211 English Language Arts (ELA) 8

This course engages students in reading and writing aligned to the Common Core ELA State Standards. This course incorporates exposure to fiction and non-fiction reading and in text analysis, while building student capacity to cite textual evidence to support an analysis/critique, engage in research/presentation of findings, and use rich vocabulary in speaking and writing. Students successfully completing this course will be fully-prepared to enter English I in 9<sup>th</sup> grade. **Fee Required**

## M3085 Math 8

This course engages students in math experiences aligned to the Common Core Math Standards. Course will focus upon 3 areas: 1) formulating and reasoning about expressions and equations, including modeling an association in bivariate data with linear equations, solving linear equations, and systems of linear equations, 2) understanding the concept of a function and use of functions to describe quantitative relationships; and 3) analysis of 2D and 3D space and figures using distance, angle, similarity, congruence, and understanding and application of the Pythagorean Theorem. Students successfully completing this course will be fully-prepared to enter Algebra I in 9<sup>th</sup> grade. **Fee Required**

## M1201 Social Studies (SS) 8

Social Studies 8 engages students in learning experiences aligned to the ODE Social Studies Standards. This course focuses upon the study of the U.S. from 1492 to 1877: Exploration through Reconstruction through the lenses of History, Geography, Economics, and Government. This course prepares students for World History 9<sup>th</sup> grade.

## M7201 Art 8 (1 Semester Course)

This course engages students in the exploration of historic and stylistic trends in art. Visual Art vocabulary, techniques, and a variety of media will be applied to create both two-dimensional and three-dimensional works of art. **Fee Required**

## M7205 Instrumental Music 8

The focus of this class is based upon two distinct elements that comprise the continuing development of more advanced musicians. Students will study the fundamentals of music, including the reading of music, rhythmic concepts, musical terminology, musicianship and the skills needed to perform in an instrumental ensemble. Additionally, students will study the fundamentals of their instrument, including hand position, posture, tone production and technique. Though private lessons are desired, they are not required for this class. Beginning musicians will require additional study and instruction.



## M7202 Exploratory Music 8

This course will develop the listening, analytical, and performance skills of students while engaging them in learning about a number of musical genres, including classical composers, popular musicians, identifying orchestral and world instruments, basic instrumental music skills, form and structure, music around the world, and current events in music.

## M991400 Career Connections 8

Career Connections explores how classroom learning translates into marketable skills. Through hands-on learning and local business involvement, students will engage in career-related experiences to acquire basic skills in various career fields. These opportunities provide students with tangible experiences to begin career decision making. Teachers have the flexibility to select career fields relating to Ohio's in-demand jobs as well as skills and activities that align with local priorities.

## M4304 Spanish I (High School Credit\*\*)

Spanish I is a high school World (Foreign) Language course currently offered to eligible 8<sup>th</sup> grade students. Course content and pacing directly reflects these courses which are offered at both NHS and SHS to 9<sup>th</sup> grade students. The Selection Criteria below will be used to identify students for placement in this course.

### Suggested Selection Criteria:

Students should be enrolled in Honors ELA 8 to be eligible to enroll in Spanish

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## 8th Grade Honors Course Descriptions

**\*\*Please note that High School Credit coursework grades will be reflected on the student's High School transcript and will become a part of the High School G.P.A. which is reported to colleges/universities.**

### M107 Honors English Language Arts (ELA) 8

Honors English 8 continues the rigor that students experienced in Honors ELA 7 to prepare students to enter Honors English I in 9th grade. . The course requires additional reading/writing assignments and research, as well as possible participation in various contests/ competitions. The Selection Criteria below will be used to identify students for placement in this course. Student's will take the 8<sup>th</sup> Grade ELA AIR assessment. **Fee Required**

#### Suggested Selection Criteria:

- Students enrolled in Honors ELA 7 with a 1<sup>st</sup> Semester grade of an A or B
- OR**
- Students who earn a 1<sup>st</sup> Semester grade of an A or B in ELA 7 and receive two of the following:
  - Advanced or Accelerated on ELA OST
  - Gifted Identification in Reading
  - Exact Path Diagnostic NPR of 70 or above

### M3093 Honors Algebra I (High School Credit\*\*)

Honors Algebra I is a high school course currently offered to eligible 8<sup>th</sup> grade Math students for HS credit. This rigorous and challenging course requires students to take a state-mandated end-of-course exam that counts toward the new graduation requirements. The Selection Criteria below will be used to identify students for placement in this course.

#### Suggested Selection Criteria:

- Students who are enrolled in Math 8 with a 1<sup>st</sup> Semester grade of an A or B
- OR**
- Students who earn a 1<sup>st</sup> Semester grade of an A or B in Math 7 and receive two of the following:
  - Advanced or Accelerated on Math OST
  - Gifted Identification in Math
  - Exact Path Diagnostic NPR of 70 or above

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### 3091 Honors Geometry (High School Credit\*\*)

Honors Geometry is a high school course currently offered to eligible 8<sup>th</sup> grade Math students for HS Credit. This course assumes student mastery of Algebra content. This rigorous and challenging course requires students to take a state-mandated end-of-course. The Selection Criteria below will be used to identify students for placement in this course.

#### **Suggested Selection Criteria:**

**Student Successful Completion of Honors Algebra I**

### M2007 Honors Science 8

Honors Science 8 engages students in learning experiences aligned to the ODE Science Standards. This course incorporates hands-on and inquiry-based learning opportunities. Studies will focus upon Earth and Space Science (ESS), Physical Science (PS), and Life Science (LS). ESS will focus upon study of the physical features of Earth and how they formed. This includes the interior of Earth, the rock record, plate tectonics and landforms. PS will focus upon the study of forces and motion within, on and around the Earth and within the universe. LS will focus upon the diversity and continuation of species. This rigorous curriculum includes project based learning beyond the scope of Science 8. This course prepares students for Honors Biology in 9<sup>th</sup> grade. **Fee Required**

### M1007 Honors Social Studies (SS) 8

Honors Social Studies 8 engages students in learning experiences aligned to the ODE Social Studies Standards. This course focuses upon the study of the U.S. from 1492 to 1877: Exploration through Reconstruction through the lenses of History, Geography, Economics, and Government. This rigorous curriculum includes project based learning beyond the scope of Social Studies 8. This course prepares students for Honors World History in 9<sup>th</sup> grade.

### M3802A App Creators (1 Semester Course )

This course introduces students to the concept of pair programming, app development, and the MIT App Inventor development tool. They learn about the Model-View-Controller (MVC) design pattern, app graphical design, event-driven programming, debugging, and algorithm creation using variables and conditional logic. They create engaging biomedical science apps and fun interactive games that apply these concepts and use basic user interface features, media, and animation.

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# ***“Our goal is to improve student achievement for all students.”***

NONDISCRIMINATION POLICY: The Willoughby-Eastlake City Schools comply with the Rules and Regulations as set forth in Title IX implementing the Education Amendments of 1972 and Section 504 of the Rehabilitation Act of 1973. Complaints from students will follow a three-step procedure: 1) grievance filed initially with the building administrator (or designee) with notification to the Title IX compliance officer, review by the appropriate director, and 3) appeal to the compliance officer

