

Wadsworth Middle School Curriculum Guide



Grades 7 & 8

Table of Contents

2 Academic Program Schematic

Core Courses of Study for:

3 English/Language Arts (ELA)

4 Mathematics

6 Math Sequence Chart

7 Science

8 Social Studies

Encore Courses of Study for:

9 Art 7

9 Art 8

9 Band 7

9 Band 8

9 Choir 7

9 Show Choir 8

10 Technology 7

10 Technology 8

10 Exploratory Language: Spanish (7th)

10 Exploratory Language: French (8th)

10 Family Consumer Science (FCS) (7th)

10 Healthy Foods and Living (HF) (8th)

11 Health 7

11 Health 8

11 Physical Education

Wadsworth Middle School

Academic Program Schematic

	7 th	8 th
English Language Arts (ELA)	ELA 7 Enriched ELA 7*	ELA 8 Enriched ELA 8*
Mathematics	Math 7 Pre-Algebra 7 Honors Algebra I (HS Credit)*	Math 8 Honors Algebra I* (HS Credit) Honors Geometry* @ WHS (HS Credit)
Science	Science 7 Enriched Science 7*	Science 8 Honors Physical Science* @ WHS (HS Credit)*
Social Studies	Social Studies 7	Social Studies 8
Art	Art 7	Art 8
Band	Band 7	Band 8
Choir	Choir 7	Show Choir (by audition)
Family Consumer Science	Family Consumer Science	Healthy Foods and Living
Health	Health 7	Health 8
Physical Education	P.E. 7/8	P.E. 7/8
Technology	Technology 7	Technology 8
World Languages	Exploratory Language Spanish Spanish I (Zero Period @ WHS (HS Credit) French I (Zero Period @ WHS (HS Credit)	Exploratory Language French Spanish I (Zero Period @ WHS (HS Credit) French I (Zero Period @ WHS (HS Credit)

***Gifted Course.** Per Ohio Administrative Code 3301-51-15, subjective criteria such as grades and teacher recommendations shall not be used to exclude a student from gifted services. All students who meet the written criteria for a gifted service shall be provided an equal opportunity to receive that service.

NOTE: (HS credit) course descriptions will be on the High School's Curriculum Guide

Core Courses of Study

English/Language Arts Course Descriptions

All students are required to take one (1) year-long ELA course.

English Language Arts (ELA)	7th Grade	All Year
------------------------------------	-----------------------------	-----------------

The 7th grade English Language Arts meets for two class periods covering rigorous instruction of the Ohio English Language Arts Standards including reading, writing, speaking and listening. A distinct focus is placed on key ideas and details, author's craft and structure, and ways to integrate knowledge and ideas in both fiction and nonfiction texts. Writing structured, well-informed essays which include a thesis or claim, key ideas, logical, relevant, and sufficient evidence will be integrated throughout the school year. Students will also participate in the development of grade level vocabulary, command of the English language and oral presentations.

Enriched English Language Arts (ELA)*	7th Grade	All Year
--	-----------------------------	-----------------

This class follows the same course of study as described in the Seventh Grade ELA Course Description. Students are expected to exhibit critical thinking processes through higher level questions, discussions, and texts. In addition, a higher expectation will be placed on students to more thoroughly understand, commit to memory, and apply the rules of the English language as well as demonstrate an independent work ethic to complete the assigned work. This course is designed to work at an accelerated pace and is designed to match the gifted learner's needs.

English Language Arts (ELA)	8th Grade	All Year
------------------------------------	-----------------------------	-----------------

The 8th grade English Language Arts meets for two class periods covering rigorous instruction of the Ohio English Language Arts Standards including reading, writing, speaking and listening. A distinct focus is placed on key ideas and details, author's craft and structure, and ways to integrate knowledge and ideas in both fiction and nonfiction texts. Writing structured, informative and argumentative essays which include a thesis or claim, key ideas, logical, relevant, and sufficient evidence will be integrated throughout the school year. All students will read *S.E. Hinton's The Outsiders* as a class novel. In addition, students will also participate in the development of grade level vocabulary, command of the English language and oral presentations.

Enriched English Language Arts (ELA)*	8th Grade	All Year
--	-----------------------------	-----------------

This class follows the same course of study as described in the Eighth Grade ELA Course Description. Students are expected to exhibit critical thinking processes through higher level questions, discussions, and texts. In addition, a higher expectation will be placed on students to more thoroughly understand, commit to memory, and apply the rules of the English language as well as demonstrate an independent work ethic to complete the assigned work. This course is designed to work at an accelerated pace and is designed to match the gifted learner's needs.

Mathematics Course Descriptions

All students are required to take one (1) year-long mathematics course.

Math 7	7th Grade	All Year
---------------	-----------------------------	-----------------

Math 7 (taken by the majority of 7th graders) will focus on four critical areas: (1) developing understanding of and applying proportional relationships; (2) developing 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 two- and three-dimensional shapes to solve problems involving area, surface area, and volume; and (4) drawing inferences about populations based on samples. This course is designed to continue adding skill to students use of calculator, number sense, and operations. Students will use data, and statistics to complete charts, graphs, and tables. They learn financial terminology as it relates to percent, interest, taxes, etc. They will begin work with algebraic equations and functions, geometric fundamentals and formulas, measurement, probability and problem solving. Students will increase confidence in calculation and math reasoning for problem solving.

Pre-Algebra	7th Grade	All Year
--------------------	-----------------------------	-----------------

Placement in Pre-Algebra is for 7th graders with strong math abilities and a sound work ethic. This is a compacted math course that offers all the content listed above in the Math 7 course PLUS part of the Math 8 content. Students taking this course would continue into Honors Algebra I in 8th grade which will cover the remainder of the Math 8 curriculum PLUS the entire year of high school Honors Algebra I. Successful completion of Honors Algebra I will result in one (1) high school credit issued.

Note: This is an intensive track requiring a high degree of student motivation. The pace will be very accelerated.

Honors Algebra I*	7th Grade	All Year
--------------------------	-----------------------------	-----------------

Placement in Honors Algebra I is for 7th graders with strong math abilities and a sound work ethic. This is a compacted course that offers the remainder of the Math 8 curriculum PLUS the entire year of high school Honors Algebra I. This course requires focuses on five critical areas: (1) quantities and rates, including simple expressions and equations; (2) function notation and language describing characteristics of functions; (3) regression techniques to describe relationships between quantities; (4) create and solve equations, inequalities and systems of equations involving quadratic expressions; and (5) explore distinctions between rational and irrational numbers. The workload increases and prepares students to accelerate through advanced level classes offered at the high school. Successful completion of Honors Algebra I will result in one (1) high school credit issued. Students taking this course would continue into Honors Geometry (@ WHS) in 8th grade.

Note: This is an intensive track requiring a high degree of student motivation. The pace will be very accelerated.

Math 8	8th Grade	All Year
---------------	-----------------------------	-----------------

Math 8 (taken by the majority of 8th graders) focuses on three critical areas: (1) formulating and reasoning about expressions and equations, including modeling an association in bivariate data with a linear equation, and solving linear equations and systems of linear equations; (2) grasping the concept of a function and using functions to describe quantitative relationships; (3) analyzing two- and three-dimensional space and figures using distance, angle, similarity, and congruence, and understanding and applying the Pythagorean Theorem. Math 8 serves as the traditional 8th grade level math course proceeding at a pace that allows students to gain a deeper understanding and real world application of mathematical symbols, first order of operations and inequalities with fractions, products and factors, powers and roots, polynomials, and financial terminology with fixed and variable rates. Students will be prepared for Algebra in high school.

Honors Algebra I*	8th Grade	All Year
--------------------------	-----------------------------	-----------------

Placement in Honors Algebra I is for 8th graders with strong math abilities and a sound work ethic. This is a compacted course that offers the reminder of the Math 8 curriculum PLUS the entire year of high school Algebra I. This course requires focuses on five critical areas: (1) quantities and rates, including simple expressions and equations; (2) function notation and language describing characteristics of functions; (3) regression techniques to describe relationships between quantities; (4) create and solve equations, inequalities and systems of equations involving quadratic expressions; and (5) explore distinctions between rational and irrational numbers. The workload increases and prepares students to accelerate through advanced level classes offered at the high school. Successful completion of Honors Algebra I will result in one (1) high school credit issued.

Note: This is an intensive track requiring a high degree of student motivation. The pace will be very accelerated. Students should have completed Pre-Algebra in 7th grade.

Honors Geometry @ WHS*	8th Grade	All Year
-------------------------------	-----------------------------	-----------------

Honors Geometry is a course designed to follow Honors Algebra I. It integrates the study of plane, solid, and coordinate geometries. Properties of polygons and circles, construction, areas and volumes, and both formal and informal proofs are also studied. Successful completion of Honors Geometry will result in one (1) high school credit issued.

* Prerequisite: Honors Algebra I

MATHEMATICS

WMS & WHS MATHEMATICS SEQUENCE CHART

Current level in bold. Courses listed below current level are the options for the following year.

Wadsworth Middle School Math Sequence

<u>Math 7</u> Math 8	<u>Pre-Algebra 7</u> Honors Algebra I	<u>Math 8</u> Algebra I Honors Algebra I	<u>Hon. Algebra I</u> Hon. Geometry @ WHS
			<u>Honors Geometry</u> See Below

Wadsworth High School Math Sequence

<u>Algebra I</u> Geometry Hon. Geometry	<u>Hon. Algebra I</u> Geometry Hon. Geometry	<u>Geometry</u> Algebra II +Hon. Algebra II *Advanced QR DS	<u>Honors Geometry</u> Algebra II +Hon. Algebra II +Hon. Alg. II/Trig/Limits *Advanced QR DS
<u>Algebra II</u> *Advanced QR DS Pre-Calculus *Applied Math +AP Stats	<u>Hon. Algebra II</u> Pre-Calculus +AP Pre-Calculus *Advanced QR DS +AP Stats	<u>Hon. Alg. II/Trig/Limits</u> Pre-Calculus +AP Pre-Calculus +Hon. Calculus +AP Calculus +AP Stats *Advanced QR DS	<u>Pre-Calculus</u> +AP Stats +Hon. Calculus *Advanced QR DS
<u>AP Pre-Calculus</u> +AP Calculus +AP Stats +Hon. Calculus *Advanced QR DS	<u>Hon. Calculus</u> +AP Calculus +AP Stats *Advanced QR DS	<u>Advanced QR/DS</u> Algebra II *Advanced QR *Applied Math DS	<u>AP Calculus</u> AP Stats CCP Calc 2/3

+Teacher Recommendation is strongly encouraged

*Teacher Recommendation ONLY

QR-Quantitative Reasoning

DS-Data Science Foundations

Advanced QR and DS are Junior or Senior level classes

Students must complete four units of math. One of the following must be included: Algebra II, Advanced QR, DS, Honors Algebra II, Honors Algebra II/Trig with Limits

A student may only take and receive one math credit for the following courses:

- Algebra and Honors Algebra
- Geometry and Honors Geometry
- Algebra II, Honors Algebra II and Honors Algebra II/Trig with Limits
- Pre-Calculus and AP Pre-Calculus.

A.P. Statistics may be taken concurrently with either AP Pre-Calculus or A.P. Calculus or Honors Calculus. A teacher recommendation is strongly encouraged.

If a teacher recommendation is not given, an Overrides Form must be completed to move from an Academic class to an Honors class.

Science Course Descriptions

All students are required to take one (1) year-long science course.

Science 7	7th Grade	All Year
------------------	-----------------------------	-----------------

Integrated science that includes the following State of Ohio Content Standards:

Earth science (Atmosphere, climate, Earth-Moon-Sun system) Environmental (ecosystems, biomes) and Physical Science (principles of chemistry and energy transformations). The focus of this course is the flow of energy and matter through the biogeochemical cycles.

Enriched Science 7*	7th Grade	All Year
----------------------------	-----------------------------	-----------------

Accelerated course compacting both 7th and 8th grade Ohio Content Standards for Earth, Space, Life, and Environmental Sciences. This course will cover the atmosphere, global climate, ecosystems, Earth-Sun-Moon system, plate tectonics, and genetics. Students completing this course will take the 9th grade Honors Physical Science course (@ WHS) their 8th grade year.

Science 8	8th Grade	All Year
------------------	-----------------------------	-----------------

Integrated Science course that includes the following State of Ohio Content Standards: Earth (Constructive and Destructive forces that shape Earth), Physical Science (Forces and Motion), and Life Science (Genetics). Instruction and assessments are in preparation for the 8th grade Science Ohio State Test (OST).

Honors Physical Science @ WHS *	8th Grade	All Year
--	-----------------------------	-----------------

Honors Physical Science is an accelerated college prep course. Topics for study include chemistry, physics and the nature of science. The course involves lecture, lab work, computer work, other assorted activities, and may involve some projects to be completed outside of the school both individually and in groups. The course involves a considerable amount of Algebra to complete the homework and other scientific formulas. Successful completion of Honors Physical Science will result in one (1) high school credit issued.

Social Studies Course Descriptions

All students are required to take one (1) year-long social studies course.

Social Studies 7	7th Grade	All Year
-------------------------	-----------------------------	-----------------

Seventh grade Social Studies focuses on the world historical events from the ancient civilizations through the first Global Age (1000 BC to 1600 AD). Students will learn that each culture is shaped by its geography, economic conditions, leadership, and interaction through trade. Each unit will summarize each culture's enduring impact of achievements and advancements into the modern age.

Social Studies 8	8th Grade	All Year
-------------------------	-----------------------------	-----------------

Eighth grade Social Studies provides a rigorous and differentiated investigation of American History from 1585 to 1877: Exploration through Reconstruction. Students will evaluate primary source documents, analyze and provide evidence to support points of view, understand how geography shapes historic events, and know the principles upon which the American Constitution is founded. Throughout the year, current events will be discussed and students will be encouraged to discover how past and present events are interconnected.

Encore Courses of Study

We support the middle school philosophy of exploration and exposure to a variety of content and student interests.

Art 7	7th Grade	Semester
--------------	-----------------------------	-----------------

Semester course exploring the elements and principles of art, art history, and studio habits. Students will create works of art in drawing, painting, collage and more.

Art 8	8th Grade	Semester
--------------	-----------------------------	-----------------

Semester course exploring the elements and principles of art, art history and studio habits. Students will create works of art in drawing, painting, collage, ceramics, and more. An emphasis will be placed on beginner skills in drawing from observation and creative expression.

Band 7	7th Grade	All Year
---------------	-----------------------------	-----------------

Year-round course that is open to all students who previously took band in 5th and 6th grade. 7th grade band is the first time students meet daily and get to operate as a full ensemble, despite being split into two classes. This class continues to develop proper playing technique, improve music reading, and implement large ensemble procedures while performing grade 1-2.5 literature. Students completing this course will be prepared for 8th grade band.

Band 8	8th Grade	All Year
---------------	-----------------------------	-----------------

Year-round course that is open to all students who previously took band in 7th grade. 8th grade band is the first time students meet daily as one full ensemble. This class continues to develop proper playing technique, improve music reading, and refine large ensemble procedures while performing grade 2-3.5 literature. The primary goal of the 8th grade band is to adequately prepare and inspire students to be strong members of the Wadsworth High School band program.

Choir 7	7th Grade	Semester
----------------	-----------------------------	-----------------

Performance Choir is a mixed choir (boys/girls) of beginning vocalists. Students who participate in Performance Choir will learn the basics of choral technique, sight singing & music theory as aligned with the Ohio Department of Education and Workforce Fine Arts Standards. Students participate in vocal work as a whole group and in sectionals. Performance Choir is a great course for students who already love to sing and/or want to break out of their shell by learning new vocal techniques! Performance Choir is a semester course with one large performance requirement.

Show Choir	8th Grade	All Year
-------------------	-----------------------------	-----------------

8th Grade show choir is a mixed choir (boys/girls). This mixed ensemble is an accelerated and auditioned show choir singing 4-part music. Students sing a variety of styles (pop, jazz, multicultural, acapella, and more!) and perform 2-3 concerts per year. Students work with a wide range of professional choreographers and perform at local community events, as well as Music in the Parks Competition. Show Choir is a year long course.

Technology 7	7th Grade	Semester
---------------------	-----------------------------	-----------------

This is a semester course which introduces students to the pre-engineering and computer science pathways available at the high school. Students practice the design process while creating designs for 3D printing, laser engraving, and cardboard models. Students will also sew a drawstring bag, practice coding algorithms, typing and more.

Technology 8	8th Grade	Semester
---------------------	-----------------------------	-----------------

This is a semester course which challenges the students to further develop pre-engineering and computer science skills. Students collaboratively work together to solve everyday engineering challenges associated with multiple engineering fields. They also learn to code more sophisticated sprite-based games using computer programming concepts and utilize the design process computer scientists use regularly.

Exploratory Language Spanish	7th Grade	9 Weeks
-------------------------------------	-----------------------------	----------------

Exploratory Spanish is designed to introduce students to the Spanish language. Students will learn basic vocabulary such as greetings, numbers, colors, alphabet, etc. Students will also learn basic grammar and will be introduced to the culture of the Spanish-speaking world. Students will work on their abilities in speaking, listening, reading, and writing in Spanish. This course is designed to help students decide if they would like to study Spanish in depth at the high school level.

Exploratory Language French	8th Grade	9 Weeks
------------------------------------	-----------------------------	----------------

Exploratory French is offered as a quarter long class in 8th grade and gives students an introduction to the French language and culture. Students will learn about the importance of the French language, basic vocabulary and phrases in French, and correct pronunciation. Cultural topics will also be addressed throughout the quarter. This course is designed to help students decide if they would like to study French in depth at the high school level.

Family Consumer Science	7th Grade	9 Weeks
--------------------------------	-----------------------------	----------------

A nine-week course that focuses on financial literacy, Nutrition and Wellness, Personal Development and Sewing. Financial Literacy focuses on needs and wants, credit and identity protection, taxes, saving and investing. The Nutrition and Wellness unit covers basic food preparation and hands on activities using healthy recipes while maintaining a clean and safe kitchen. During the Personal Development unit students focus on developing knowledge related to problem solving, communication, conflict resolution, goals, and relationships.

Healthy Foods and Living	8th Grade	9 Weeks
---------------------------------	-----------------------------	----------------

A nine-week course that focuses on nutrition and wellness, evaluating good food choices, planning for maintaining a healthy diet, kitchen essentials, and food safety. Students will learn the basics of cooking such as following a recipe and the safe use of kitchen tools and equipment, including an oven and stove.

Health 7	7th Grade	9 Weeks
-----------------	-----------------------------	----------------

This nine-week course introduces students to the foundations of lifelong wellness. Students will explore the *Health Pentagon* and learn how character traits such as responsibility, respect, and integrity influence overall well-being. The course covers personal hygiene, the physical and emotional changes of puberty, and the importance of proper nutrition and quality sleep for healthy growth and development. There is an introductory unit on human reproduction and sex education which addresses physical development, healthy relationships, dating/sexual violence prevention, emphasizing respect, boundaries, and personal safety.

Students will also examine the building blocks of healthy relationships, including communication skills, boundaries, and decision-making strategies. Mental and emotional health topics focus on stress management, self-awareness, and positive coping skills. An introduction to major body systems provides a basic understanding of how the human body functions. The course concludes with education on the risks and prevention of drug, alcohol, and tobacco use, empowering students to make informed, healthy choices.

Health 8	8 th Grade	9 Weeks
This nine-week course builds on prior health knowledge and equips students with the skills needed to make responsible, informed decisions. Students examine the risks and prevention strategies related to drugs, alcohol, and tobacco use, while learning how family health history can influence personal wellness choices. The course also introduces the concept of organ donation (anatomical gifts) and its impact on saving lives.		

Students receive foundational training in CPR, First Aid, and AED awareness to promote emergency readiness. There is a continuation on human reproduction and sex education address physical development, healthy relationships, dating/sexual violence prevention, emphasizing respect, boundaries, and personal safety. Additional focus is placed on the importance of regular exercise, balanced nutrition, positive body image, and strategies for maintaining strong mental and emotional health.

By the end of the course, students will be better prepared to care for their physical, social, and emotional well-being and to make healthy choices that support lifelong wellness.

Physical Education	7 th & 8 th Grade	9 Weeks
Physical Education provides students the opportunity to participate in a comprehensive program consisting of skill development, lead up games, team sports, individual sports, and physical fitness activities. Students receive instruction in rules, skills and strategies associated with different sports and activities as well as learning experiences involving physical conditioning activities and lifelong fitness. The program promotes the spirit of cooperation, leadership, fair play and friendly competition.		