

MIDDLE SCHOOL ACADEMIC PROGRAMS

2024 – 2025



DUBLIN

CITY SCHOOLS

DAVIS MIDDLE SCHOOL – Jaime Stewart, Principal
EVERSOLE RUN MIDDLE SCHOOL – Kyle Gibson, Principal
GRIZZELL MIDDLE SCHOOL – Andrew Wilkinson, Principal
KARRER MIDDLE SCHOOL – Brooke Menduni, Principal
SELLS MIDDLE SCHOOL – Matthew Sachtleben, Principal

TABLE OF CONTENTS

<u>Message from the Superintendent</u>	3
<u>Ohio Academic Content Standards</u>	4
<u>The Middle School Experience</u>	5
<u>Winter/Spring Scheduling Process</u>	6
<u>Grading Scale</u>	6
<u>High School Course Details</u>	7
<u>Grade 6 Academic Program and Course Descriptions</u>	8-11
<u>Grade 7 Academic Program and Course Descriptions</u>	12-17
<u>Grade 8 Academic Program and Course Descriptions</u>	18-23



Dear Students,

Dublin City Schools is proud to present the 2024-2025 Middle School Academic Programs designed to help you learn about the educational opportunities afforded to you as you prepare for high school. This document contains information about required core subjects and related arts courses that you will find interesting and challenging.

As you schedule your courses for next year, I encourage you to seek the advice of your current teachers and the guidance of your academic counselor. Please take advantage of the invaluable resources to enhance your decision-making process.

I wish you the best of luck with all of your middle school experiences.

Sincerely,

A handwritten signature in black ink that reads "Dr. John Marschhausen". The signature is written in a cursive, flowing style.

John Marschhausen
Superintendent

The Dublin City School District will ensure that every student is prepared for success.

–Journey 2030

OHIO ACADEMIC CONTENT STANDARDS

Dublin City Schools middle school students take courses that are aligned to Ohio's Learning Standards. These standards explain the knowledge students should know and the skills Ohio students should be able to do in pre-kindergarten through grade 12. Ohio's Learning Standards instill life-long learning by providing essential knowledge and skills—qualities most sought by today's employers. All five Dublin middle schools are dedicated to designing learning experiences in a supportive and engaging classroom environment that will prepare students for future success.

The Middle School Academic Program consists of a group of required core academic courses and additional non-core courses that allow students to explore a variety of pathways and topics. Through this programming, students are taught varied levels of skill while also having an opportunity to explore a wide variety of options in visual arts, communications, performing arts, wellness, and STEAM. Students in middle school will experience academic support that allows for individualized growth and learning.

The middle school schedule and course offerings are evaluated annually to provide our Dublin middle school students with world-class instruction and a well-rounded education.

CORE ACADEMIC COURSES

All middle school students take four core academic classes daily for the entire year. These courses are: English Language Arts, Mathematics, Social Studies and Science.

The Middle School Experience

THE 6TH GRADE EXPERIENCE

6th grade is a time of transition for students. In order to support learners in this transition, 6th graders will take a double block for their English Language Arts course. This double block period will allow students to have extensive instruction in reading and writing as they transition into middle school. This differentiated experience will prepare them for the choices that they will make in course selection in grades 7 and 8. Additionally, sixth graders take performing arts, visual arts, physical education and a modern literacy foundational course.

THE 7TH GRADE EXPERIENCE

In the 2024-25 school year, DCS 7th graders will experience a single period for their English Language Arts course. This means that students will experience 3 additional electives in their course planning to increase their well-rounded middle level experience. 7th grade is an appropriate time for students to explore new areas of study as they learn more about their own aptitudes and interests in their Prepared for Success course. 7th grade programming supports students in preparing for the choices they will make in future years.

THE 8TH GRADE EXPERIENCE

DCS 8th graders take their 4 core academic courses, but also have the opportunity to select 1 or 2 other full year options, filling in the rest of their schedule with a mix of required and choice trimester courses.

TYPICAL DAILY SCHEDULE

All middle schoolers follow an 8 period bell schedule, which includes a lunch period. Additionally, there is a 25-minute homebase period for all students.

MIDDLE SCHOOL HOMEBASE

Homebase is a year-long program for grades six through eight, which takes place regularly every day for 25 minutes. Through small supportive communities, students participate in learning that focuses on student wellness and career exploration.

WINTER/SPRING SCHEDULING PROCESS, SCHEDULE REQUESTS & CHANGES

Scheduling activities take place each winter/spring to assist students in selecting appropriate courses for the next school year. Scheduling materials are available on the district website as well as distributed by the middle schools. Teachers and school counselors are available to advise students and families regarding course selections.

Please make note that while we make every attempt to schedule students into their preferred non-core options, classroom capacities exist and can limit the number of students who can take any given course. The district works over the summer to ensure efficient use of resources and plans around the previous winter's student course selections therefore fall schedule changes are not available.

Reasons that may justify a schedule change may include: trimester imbalances, schedule adjustments for educational options pre-approved by administration, or a level change based on student need. When a student, parent or teacher recognizes that the academic level is not appropriate, a meeting may be required in order to review this placement..

Grading Scale		
A	93-100	4.00
A-	90-92	3.67
B+	87-89	3.33
B	83-86	3.00
B-	80-82	2.67
C+	77-79	2.33
C	73-76	2.00
C-	70-72	1.67
D+	67-69	1.33
D	63-66	1.00
D-	60-62	0.67
F	59-below	0.00

High School Course Details

The below details are important for middle school students taking high school credited classes, particularly at the grade 8 level.

HIGH SCHOOL GRADE REPLACEMENT

Students are permitted to retake any high school credit class to replace credit; however, students cannot earn credit twice for the same course. Replacement credit is only earned through taking a course in Dublin City Schools to replace its equivalent course. Both grades that a student earns in a replaced course remain on the transcript; however, the lower grade is not calculated in the student's GPA and the credit is removed. Students can obtain a grade replacement form from their school counselor.

WORLD LANGUAGE COURSE INFORMATION

High School Spanish I is scheduled at all Dublin middle schools. Students taking French, German, Japanese or Chinese will be provided transportation to one of our high schools that offer the chosen language during first period. Please note the high school assigned may not be the child's feeder high school. Transportation will then be provided for students to their middle school. Students will begin their day at the middle school with 2nd period.

Students whose pathways include high school level courses (Algebra 1, Geometry, Physical Science and Level 1 World Language) should be aware that these courses adhere to high school rules and deadlines.

DATES FOR ADDING AND DROPPING HIGH SCHOOL CLASSES

ADD: The last day to add a credit-bearing yearlong course is: August 19, 2024

WITHDRAWAL: The window to withdraw from a credit-bearing course is August 15, 2024 – October 30, 2024 (Notation of the course will be expunged from the transcript)

GRADE 6 ACADEMIC PROGRAM

All 6th graders take the following Core Academic Classes	
English Language Arts (2 periods)	605 Language Arts 6
Mathematics	611 Math 6 <i>*Students who have successfully completed Math 5-6 may select 711 Math 7 or 712 Math 7-8</i>
Science	613 Science 6
Social Studies	615 Social Studies 6

A Day/B Day Selections	
Select 1 option from each group below. Courses are year-long on alternate days.	
640 Band 6 645 Choir 6 650 Orchestra 6, Level 1 655 Orchestra 6, Level 2 (For those who participated in 5th grade strings)	695 Study Center 6** 635 Creative Mindsets 6 620 Literacy Connections 6* 625 Mathematics Connections 6*

*For qualifying students only.

^Students need special permission to take 2 music courses as the schedule may not allow.

All 6th graders will be assigned the following trimester classes		
660 Art 6	665 Physical Education 6	670 Modern Literacy 6

Grade 6 Course Descriptions

605 Language Arts 6

6th Grade Language Arts is a course that meets for 2 periods each day, all year long. Students will embark on a journey of self-discovery through reading, writing and language. The course is aligned to *Ohio's Learning Standards* and prepares students for the *Grade 6 Ohio State Test in English Language Arts*. The course stresses the independent use of reading strategies to comprehend and respond to a variety of literary and informational texts. In addition, this course emphasizes to students that writing is a process. Students will acquire vocabulary through both reading practice and explicit instruction. Students are given time for modeled, shared, assisted and independent reading and writing practice.

611 Mathematics 6

Mathematics 6 students engage in learning through four critical areas: (1) connecting ratio and rate to whole number multiplication and division and using concepts of ratio and rate to solve problems; (2) completing understanding of division of fractions and extending the notion of number to the system of rational numbers, which includes negative numbers; (3) writing, interpreting, and using expressions and equations; and (4) developing understanding of statistical thinking. This course is aligned to Ohio's Learning Standards for Mathematics and the 8 Standards for Mathematical Practice.

613 Science 6

6th Grade Science engages students in scientific inquiry as they explore topics in Earth, Physical and Life Sciences. In this course, students will learn to describe rocks, minerals and soil that make up Earth's lithosphere, applying the content by inferring past, present and future environments on Earth. They will study the basics of the Modern Cell Theory, recognizing that all living organisms are made of cells that carry on functions to sustain life. Students also investigate the foundational concepts of the nature of matter; that the atom makes up all objects with mass. They will explore introductory concepts of motion and energy, specifically learning about potential and kinetic energy and ways to describe and graph the motion of objects.

615 Social Studies 6

6th Grade Social Studies focuses on the study of the people and regions of the Eastern Hemisphere. Students become aware of the geographic features, early history, cultural development, and economic change of the regions. Students learn about the development of the early river civilizations in Africa and Asia. The geographic focus of the course includes the study of contemporary regional characteristics, the movement of people, products and ideas and cultural diversity. Students develop an understanding of the role of consumers and the interaction of markets, resources and competition.

640 Band 6

During the initial phases of the 6th grade band experience, beginners are divided into groups and receive instruction in the fundamental skills necessary to play the instrument of their choice. Students should plan to attend an instrument fitting meeting for support in selecting their instrument. The emphasis is on individual progress. Students will eventually have opportunities to play together in groups of mixed instruments, as their skills and the school schedule permits. Students perform concerts as a full band. Concert attendance is a course requirement.

645 Choir 6

Students will begin to explore the foundations of healthy choral singing through exercises that focus on breathing, phonation, resonance, diction, musical literacy, expressiveness and musicality. Students will further improve these skills through a diverse repertoire of music used for performance and instruction. Students will expand musical knowledge for cultural and historical influences to music. Students use solfege to learn note reading and pitch. Instruments may be used to enhance the songs. Students should be prepared to work on individual and group assignments as part of their daily participation. Concert attendance is a course requirement.

Orchestra 6 (Levels 1 and 2)

650 Level 1 is for beginning students and focuses on learning the fundamental skills needed to perform. Students may choose to play violin, viola, cello, or bass. Concert attendance is a course requirement.

655 Level 2 is for students who participated in 5th grade orchestra. Students in this class continue to improve the string playing skills acquired in 5th grade and begin to develop ensemble skills. Students will perform as a string orchestra. Concert attendance is a course requirement.

635 Creative Mindsets 6

Creative Mindsets will immerse students in project based learning focused on creative problem solving. Taught by a gifted intervention specialist, and open for all learners, this course allows students to think critically and deepen understanding through exploration.

620 Literacy Connections 6

Literacy Connections is available to sixth grade students who qualify based on a data review. Results of student assessments will give direction to curriculum emphasis. Students work individually and in small groups to improve foundational skills as driven by student needs and data. This course is graded Satisfactory/Unsatisfactory (S/U).

625 Mathematics Connections 6

Mathematics Connections is available to sixth grade students who qualify based on a data review. Results of student assessments will give direction to curriculum emphasis. Students work individually and in small groups to improve number sense and fluency, problem-solving and mathematical application. This course is graded Satisfactory/Unsatisfactory (S/U).

660 Art 6 (Trimester)

In this trimester class, students will apply the underlying elements and principles of visual art as they develop their skills in *Drawing, Painting, Printmaking and Ceramics*. While making their own artwork, the students will be introduced to artists who have worked in these areas. This hands-on class enriches the students' understanding of art as they explore art from history and from cultures different from their own.

665 Physical Education 6 (Trimester)

Physical Education 6 is a trimester course that focuses on the development of basic skills needed to be successful in a variety of different physical activity settings. The different settings include: invasion, net/wall, striking/fielding, and target games. The students will complete part of the Ohio Physical Education Assessments during this trimester. In accordance with National Standards, students will actively participate, demonstrate responsible behavior, and show positive sportsmanship. Students will recognize and follow safety rules and classroom procedures, respect others, and try new and challenging activities.

670 Modern Literacy 6 (Trimester)

Modern Literacy is a trimester course designed to empower students to think critically, behave safely, and participate responsibly in our digital world, including an introduction to understanding Artificial Intelligence (AI). Students will engage with computer science as a medium for creativity, communication, problem solving, and fun.

GRADE 7 ACADEMIC PROGRAM

All 7th graders take the following Core Academic Classes	
English Language Arts	705 Language Arts 7
Mathematics	711 Math 7 or 712 Math 7-8 <i>*students who have taken the above options will be placed in the next sequential course in their math sequence</i>
Science	713 Science 7
Social Studies	715 Social Studies 7

A Day/B Day Selections Select 2 options from below. Courses are year-long on alternate days.		
740 Band 7	750 Orchestra 7	725 Mathematics Connections 7*
745 Choir 7	735 Creative Mindsets 7	720 Literacy Connections 7*
	795 Study Center 7 (repeatable**)	

*For qualifying students only.

^Students need special permission to take 2 music courses as the schedule may not allow.

All 7th graders will be assigned the following trimester classes		
767 Health 7	765 Physical Education 7	770 Prepared for Success 7

All 7th graders will select 3 of the following trimester classes <i>Seats may be limited and every effort will be made to allow students their top selections.</i>		
772 Digital Literacies 7	774 Video & Communications 7	776 App Creators 7
760 Drawing, Painting, & Collage 7	778 Global Studies 7	780 Leadership & Service 7
782 Medical Detectives 7	762 3D Art 7	796 Study Center 7 (repeatable**)

**Students are only permitted to take 1 period of study center per day.

Grade 7 Course Descriptions

705 Language Arts 7

Grade 7 English Language Arts infuses a variety of texts and media to help students understand their place in the world by studying the past and present and connecting it to the world around them. The study of a variety of literary genres, nonfiction, written communication, oral communication, grammar and word study (including roots and affixes) are emphasized. Students are given multiple opportunities to craft a variety of narrative pieces, informational texts, and arguments. The course is aligned to *Ohio's Learning Standards* and prepares students for the *Grade 7 Ohio State Test in English Language Arts*. Students are given time for modeled, shared, assisted and independent reading and writing practice.

711 Mathematics 7

Mathematics 7 students engage in learning through 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 aligned to Ohio's Learning Standards for Mathematics and the 8 Standards for Mathematical Practice.

712 Mathematics 7-8

This course is an accelerated math option open to students who are highly interested and motivated in mathematics. Students should possess strong math abilities, as this course moves at a quick instructional pace. This course will offer content focused around the same critical components of Math 7 and Math 8 in one year's worth of time. The content will include instructional time focused 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. A scientific calculator is required. This course is aligned to Ohio's Learning Standards for Mathematics and the 8 Standards for Mathematical Practice.

715 Social Studies 7

7th Grade Social Studies is an integrated study of world history beginning with Ancient Greece and continuing through global exploration (750 B.C. to 1600 A.D). Students understand how historical events are shaped by geographic, social, cultural, economic and political factors. Students develop their understanding of how ideas and events from the past have shaped the world today. In order to develop the knowledge and skills needed for economic success in the future, topics related to financial literacy will be incorporated into the course.

713 Science 7

7th Grade Science engages students in scientific inquiry with a focus on Earth's systems. The curriculum covers earth, physical and life science concepts. Students will gain an understanding of the Periodic Table of Elements and the Law of Conservation as they explore the cycling of matter through Earth's spheres. They will develop an understanding of heat energy transfer between the atmosphere and hydrosphere in their study of the water cycle, atmospheric and ocean currents. Energy transfers through electric circuits, ecosystems and waves will also be investigated. Students will develop an awareness of the factors affecting climate and biomes. Additionally, students will gain perspective of the predictable patterns of motion experienced by the Earth and Moon, contributing to tides and other cyclical events.

740 Band 7

During the 7th grade year, students continue to develop the individual skills acquired during the first year of study as well as beginning the development of ensemble skills. The focus is on group instruction in the full band experience. Individual progress remains an important goal as well. Students at this level are encouraged to participate in the Ohio Music Educator's Solo and Ensemble Contest. Concert attendance is a requirement.

745 Choir 7

Students will continue to explore and build on the foundations of healthy choral singing through exercises that focus on breathing, phonation, resonance, diction, musical literacy, expressiveness and musicality. Students will expand musical knowledge and consider cultural and historical influences on music. Students in choir use solfege to learn note reading and pitch as well as learn songs in unison, 2-parts, or 3-parts. Concert attendance is a requirement.

750 Orchestra 7

Students enrolled in 7th grade strings continue to advance their string playing skills acquired in 6th grade. The focus is on performing as an orchestra and improving individual string playing skills. Students are encouraged to participate in small group ensembles. Concert attendance is a requirement.

735 Creative Mindsets 7

Creative Mindsets will immerse students in project based learning focused on creative problem solving. Taught by a gifted intervention specialist, and open for all learners, this course allows students to think critically and deepen understanding through exploration.

720 Literacy Connections 7

Literacy Connections is available to seventh grade students who qualify based on a data review. Results of student assessments will give direction to curriculum emphasis. Students work individually and in small groups to improve foundational skills as driven by student needs and data. This course is graded Satisfactory/Unsatisfactory (S/U).

725 Mathematics Connections 7

Mathematics Connections is available to seventh grade students who qualify based on a data review. Results of student assessments will give direction to curriculum emphasis. Students work individually and in small groups to improve number sense and fluency, problem-solving and mathematical application. This course is graded Satisfactory/Unsatisfactory (S/U).

767 Health 7 (Trimester)

This trimester course is designed to promote responsible decision-making resulting in healthy lifestyle choices. Areas of emphasis are: mental/emotional health; the dangers of drug use leading to addiction; alcohol, tobacco, marijuana, vaping, opioid prescription drugs, and other current drug trend usage; nutrition and lifetime fitness; and body systems. The 7th grade Health course includes curriculum from the Signs of Suicide (SOS) program, Health & Opioid Abuse Prevention (HOPE) Curriculum, and works with the Dublin Police Department with the Drug Abuse Prevention Program (DAPP). The class addresses all aspects of health and well being including: physical health, mental-emotional health, and social health.

765 Physical Education 7 (Trimester)

Physical Education 7 is a trimester course that focuses on applying knowledge of concepts, strategies, and tactics in different physical activity settings, including: fitness, invasion games, and other activities. Students will complete part of the Ohio Physical Education Assessments. In accordance with National Standards, students actively participate, demonstrate responsible behavior and show positive sportsmanship. Students will recognize and follow safety rules and classroom procedures, respect others, and try new, challenging activities.

770 Prepared for Success 7 (Trimester)

This trimester course is designed to give students exposure to career pathways while supporting their development of durable skills for future success. Students will explore their interest and aptitude through a tool called YouScience.

760 Drawing, Painting, and Collage 7 (Trimester)

In this trimester course, students continue to learn about and apply intermediate elements and principles of visual art as they continue to develop skills in *Drawing, Painting, Printmaking and Collage*. While making their artwork, the students are introduced to artists who have worked in these areas. This hands-on class enriches the students' understanding of art as they explore art from history and cultures different from their own.

772 Digital Literacies 7 (Trimester)

Students will learn literacy skills through a lens of writing in various formats as students explore blogging, safe and productive use of Artificial Intelligence, web design, effective research, poetry and infographics.

774 Video & Communications 7 (Trimester)

Students will focus on public speaking and listening skills through a variety of communication formats including, but not limited to: podcasting, debate, video creation, and TEDTalks. Social Media safety will also be emphasized.

776 App Creators 7 (Trimester)

App Creators uses a Project Lead the Way (PLTW) curriculum that introduces students to the field of computer science and the concepts of computational thinking, through the creation of mobile apps. Students are challenged to be creative and innovative, as they collaboratively design and develop mobile solutions to engaging, authentic problems. Students experience the positive impact of the application of computer science to society as well as other disciplines, particularly biomedical science. This course uses a Project Lead the Way (PLTW) Curriculum.

778 Global Studies 7 (Trimester)

Global Studies explores the world through a lens of culture and language. With emphasis on how cultures are connected and different, students will understand the global nature of society, while gaining an appreciation for the cultures that make up our world. This trimester course may be helpful for students in exploring future language learning.

780 Leadership & Service 7 (Trimester)

This class is designed to build future leaders who impact the school and wider community. Through both leadership training and passion driven projects, students will gain empathy and recognize need within the service community.

782 Medical Detectives 7 (Trimester)

In Medical Detectives, students play the role of real-life medical detectives as they collect and analyze medical data to diagnose disease. They solve medical mysteries through hands-on projects and labs, measure and interpret vital signs, examine nervous system structure and function, and investigate disease outbreaks. This course uses a Project Lead the Way (PLTW) Curriculum.

762 3D Art 7 (Trimesters)

In 3D Art, students continue to learn about and apply intermediate elements and principles of visual art as they continue to develop skills in sculpture and ceramics. While making their artwork, the students are introduced to artists who have worked in these areas. This hands-on class enriches the students' understanding of art as they explore art from history and cultures different from their own.

GRADE 8 ACADEMIC PROGRAM

All 8th graders take the following Core Academic Classes	
English Language Arts	805 Language Arts 8
Mathematics	811 Math 8 (students who have taken the above option will be placed in the next sequential course in their math sequence)
Science	813 Science 8 or 205 Telescoped Science 8/Physical Science (HS Credit)
Social Studies	815 Social Studies 8

All 8th graders select 2 year-long classes from the following <i>Seats may be limited and every effort will be made to allow students their top selections.</i>		
World Language I (HS credit) See descriptions for course codes	840 Band 8^	850 Orchestra 8^
845 Choir 8^	862 Art & Design 8	870 STEAM 8
	895 Study Center 8**	

^Students need special permission to take 2 music courses as the schedule may not allow.

**Students are only permitted to take 1 period of study center per day.

All 8th graders will be assigned the following trimester class
867 Health 8

All 8th graders will select 2 of the following trimester classes <i>Seats may be limited and every effort will be made to allow students their top selections.</i>	
882 Medical Detectives 8	860 Art 8
896 Study Center 8 (repeatable**)	865 Physical Education 8
820 Literacy Connections 8*	825 Mathematics Connections 8*

*For qualifying students only.

**Students are only permitted to take 1 period of study center per day.

Grade 8 Course Descriptions

805 Language Arts 8

Grade 8 English Language Arts emphasizes nonfiction reading comprehension, literary analysis, a focus on the research process, increasingly sophisticated expository and narrative writing skills, and extends word study through the ongoing study of roots and affixes. It is aligned to *Ohio's Learning Standards* and prepares students for the *Grade 8 Ohio State Test in English Language Arts*. Students will read various literary genres, respond to their reading through literary analysis, continue to grow as independent readers, write multiple pieces in varying genres, conduct research, and expand their vocabulary.

811 Mathematics 8

Mathematics 8 students engage in learning through 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. This course is aligned to Ohio's Learning Standards for Mathematics and the 8 Standards for Mathematical Practice.

328 Algebra 1*

This course will deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend. Students will engage in methods for analyzing, solving, and using quadratic functions. Additionally, students will build upon prior experience, providing students with more formal means of assessing how a model fits data. Students use regression techniques to describe approximate linear relationships between quantities. They use graphical representations and knowledge of the context to make judgments about the appropriateness of linear models. A graphing calculator may be required. Per guidelines established by the Ohio Department of Education, all students in this course must take a State of Ohio Assessment that contributes to the student's State Assessment Criteria for graduation.

*Enrollment in this class will result in a grade and credit on a high school transcript for Algebra 1.

342 Geometry*

This course will formalize and extend students' geometric experience from the middle grades. Students will explore complex geometric situations and deepen their explanations of geometric relationships moving towards formal mathematical arguments. Special attention is given to transformations, geometric constructions, and proofs. A graphing calculator, compass, and protractor may be required for this course. Per guidelines established by the Ohio Department of Education, all students in this course must take a State of Ohio Assessment that contributes to the student's State Assessment Criteria for graduation.

*Enrollment in this class will result in a grade and credit on a high school transcript for Geometry.

813 Science 8

8th Grade Science engages students in scientific inquiry with a focus on Earth, Physical and Life Science content. Throughout this course, students will explore the Earth's continually changing surface. They will describe Earth's interior, the patterns of change to Earth's surface and the theory of plate tectonics, focusing on the evidence that exists to support all three. Students will use physical science concepts to support their understanding of Earth as they investigate forces, motion, and energy, building on the foundational knowledge gained in 6th and 7th grade science courses. Students will also investigate how changes to Earth's surface impact the organisms that live on Earth. They will explore the diversity of species that exist on Earth and gather evidence of changes to life forms as they examine the fossil record. They will focus on the importance of reproduction and environmental factors to ensure the continuation of all species. The course is aligned to Ohio's *Academic Content Standards* and prepares students to excel on the *Ohio's State Assessment* in science, which is given in the spring of the 8th grade year.

205 Telescoped Science 8 /Physical Science*

The Accelerated Physical Science Course covers two years of science learning in one as students receive high school credit for Physical Science and master the 8th grade science content. The course proceeds at an accelerated pace covering the Science 8 topics listed above. Additionally, students explore the high school physical science curriculum, participating in fields of chemistry and physics. Topics of interest include motion, astronomy, thermodynamics, sound, light, energy transformations, chemistry of the periodic table, and conservation principles. Physical Science is an activity driven course with an inquiry approach that provides both a meaningful and relevant explanation of the physical world. Credit for the course may be counted toward the requirements for college articulation. This course provides excellent preparation for the student who expects to take biology, chemistry, and/or physics in high school. Successful students in this class are academically motivated, have a strong math background, passion for science, and are able to apply their knowledge to new experiences.

*Enrollment in this class will result in a grade and credit on a high school transcript for Physical Science. The pace of this course will be accelerated.

815 Social Studies 8

8th Grade Social Studies continues the historical focus with the study of European exploration and the early years of the United States (1492 to 1877). All four social studies strands are incorporated into a chronological view of the development of the United States. Students will examine how historic events are shaped by geographic, social, cultural, economic and political factors. In order to develop the knowledge and skills needed for economic success in the future, topics related to financial literacy will be incorporated into the course.

World Languages*:

095 Spanish I, 078 French I, 070 German I, 100 Japanese I, 105 Chinese I

Students will be introduced to basic communication skills of writing, reading, listening and speaking in the chosen world language. The students also become acquainted with countries that speak the chosen language and gain some insight into the cultural similarities and differences between those studied countries and the United States.

*Enrollment in this class will result in a grade and credit on a high school transcript for level one world language. Information on transportation for World Languages found on Page 7.

840 Band 8

8th Grade Band meets as an every day, yearlong course that is a continuation of the playing skills developed during the first years in addition to the development of more advanced ensemble skills needed for participation in a large musical group. Students are encouraged to participate in musical contests as they prepare to face the demands of continued instrumental music study in high school. Concert attendance is a course requirement.

845 Choir 8

In this every day, yearlong course, students will continue to explore and build on the foundations of healthy choral singing through exercises that focus on breathing, phonation, resonance, diction, musical literacy, expressiveness and musicality. Students will further improve these skills and prepare for a high school experience through a diverse repertoire of music used for performance and instruction. Repertoire will consist of mainly three parts mixed and SATB music to fit the advancing voice and to further challenge students. Students will expand musical knowledge for cultural and historical influences to music. Students in choir use solfege to learn note reading and pitch. Concert attendance is a course requirement.

850 Orchestra 8

Students enrolled in 8th Grade Orchestra will meet every day, yearlong to continue to advance their string playing skills. Students will begin to develop advanced ensemble skills needed to perform in an orchestra. Students participate in a wider variety of performances in preparation for high school music. Concert attendance is a course requirement.

862 Art & Design 8

In this hands-on yearlong class, students will further develop and refine their skills in *Drawing, Painting, Printmaking and Ceramics* as they explore the elements and principles of visual art in depth. This technical study will be enriched with examples of important art and artists who have worked in these areas. Students will be encouraged to express their original ideas through a wide variety of independent and group art projects including both 2 and 3 dimensional forms. They will develop critical and creative thinking skills, technical ability, and an understanding of artistic history and heritage, as well as how art has been and is being used in culture to communicate and express ideas and attitudes.

870 STEAM 8

The 8th Grade STEAM class is a yearlong project-oriented, interdisciplinary course in which students use science, mathematics, engineering and technological knowledge to investigate real-world problems. Students will develop engineering design process skills as they identify problems, design and construct models, test ideas, and make modifications. Students will also enhance digital communication and collaborative skills. This course uses curriculum from Project Lead the Way's Automation and Robotics unit.

860 Art 8 (Trimester)

In this trimester course, students will continue to learn about and apply elements and principles of visual art as they continue to develop their skills in *Drawing, Painting, Printmaking and Ceramics*. While making their own artwork, the students will be introduced to artists who have worked in these areas. This class enriches the students' understanding of art as they explore art from history and from cultures different from their own.

867 Health 8 (Trimester)

This trimester course is designed to build upon the foundations taught in Health 7 to continue to promote responsible decision-making resulting in healthy lifestyle choices. The areas of emphasis are: mental/emotional health; the dangers of drug use leading to addiction; alcohol, tobacco, marijuana, vaping, opioid prescription

drugs, and other current drug trend usage; nutrition and lifetime fitness; and human growth & development. The 8th grade Health course includes the Red Flags program related to depression and the Health & Opioid Abuse Prevention (HOPE) Curriculum. The class goes into more depth on aspects of health and well-being including: physical health, mental-emotional health, and social health.

865 Physical Education 8(Trimester)

Physical Education 8 is an elective trimester course that incorporates more game-like situations and activities. These games and activities will focus on applying knowledge of concepts, strategies, and tactics in a variety of different physical activity settings. In accordance with National Standards, students will actively participate, demonstrate responsible behavior, and show positive sportsmanship. Students will recognize and follow safety rules and classroom procedures, respect others, and try new and challenging activities.

882 Medical Detectives 8 (Trimester)

Medical Detectives gives students the opportunity to play the role of real-life medical detectives as they collect and analyze medical data to diagnose disease. They solve medical mysteries through hands-on projects and labs, measure and interpret vital signs, examine nervous system structure and function, and investigate disease outbreaks. This course uses a Project Lead the Way (PLTW) Curriculum.

820 Literacy Connections 8 (Trimester)

Literacy Connections is available to eighth grade students who qualify based on a data review. Results of student assessments will give direction to curriculum emphasis. Students work individually and in small groups to improve foundational skills as driven by student needs and data. This course is graded Satisfactory/Unsatisfactory (S/U).

825 Mathematics Connections 8 (Trimester)

Mathematics Connections is available to eighth grade students who qualify based on a data review. Results of student assessments will give direction to curriculum emphasis. Students work individually and in small groups to improve number sense and fluency, problem-solving and mathematical application. This course is graded Satisfactory/Unsatisfactory (S/U).