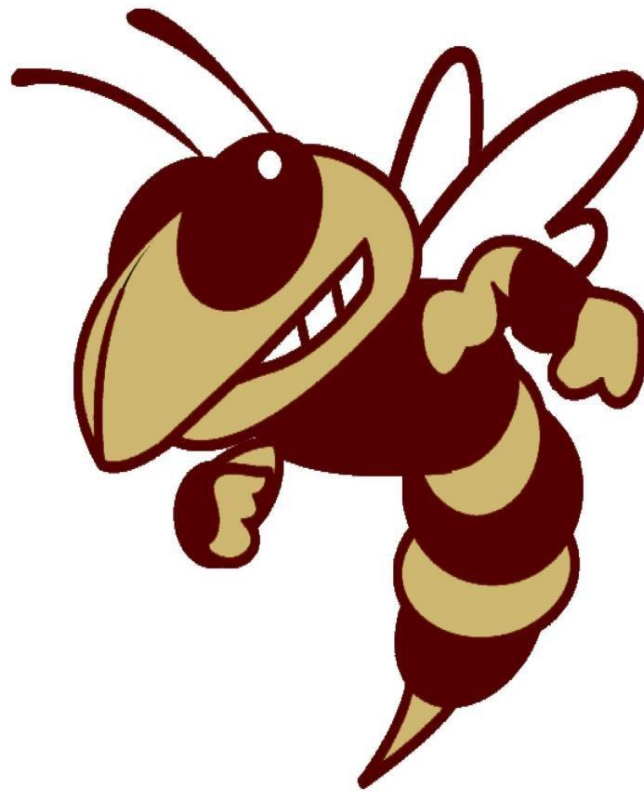


Licking Heights Central

Middle School Course Planning Guide

2019-2020



One Team. One Priority. Student Success.

In partnership with students, family and community, Licking Heights Local School District will ensure that all students acquire the skills, knowledge and expertise to succeed as effective citizens and workers in the 21st century.

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Common Terminology

Elective - Subjects not required by the State of Ohio.

Prerequisite – Background requirements for taking a certain course or subject. This could include grades, grade level, previous course or interests and ability.

Required subject - State of Ohio or local school board mandates some subjects to be required for graduation.

Semester course - One half of the school year, usually expressed by: 1st semester, 2nd semester.

Fine Arts - Examples that could satisfy this description are: Art, Choir or Band.

Schedule Change Policy

At the time students register for classes, the counselor will discuss the seriousness of correct class selection. Many hours of preparation and study have been expended in the registration and scheduling process. The master schedule is developed to allow maximum utilization of facilities and staff while still providing students the opportunity to take a variety of classes. Course offerings and staff decisions are based upon the classes originally chosen by individual student course requests. **Once selected, changes will be allowed only for the following academic reasons and must be requested within the first two weeks of school:**

1. Required course omitted from the schedule
2. Prerequisite for selected course not completed
3. Clerical or computer errors during the registration process
4. Unforeseen emergency situation
5. Students will not be moved due to personality conflicts

Grading Scale

Percentage	Grade	Regular	Percentage	Grade	Regular
93 – 100	A	4.0	76 - 73	C	2.0
90 - 92	A-	3.7	72 - 70	C-	1.7
87 - 89	B+	3.3	69 - 67	D+	1.3
83 - 86	B	3.0	66 - 63	D	1.0
80 - 82	B-	2.7	62 - 60	D-	0.7
77 - 79	C+	2.3	0 - 59	F	0.0

Teachers use the above table to convert percentages into letter grades

Program Course Offerings

SUBJECT	6 TH GRADE	7 TH GRADE	8 TH GRADE
English Language Arts (ELA) (3 years required, yearlong course)	ELA 6 or Advanced ELA 6	ELA 7 or Advanced ELA 7	ELA 8 or Advanced ELA 8
Math (3 years required, yearlong course)	Math 6, Advanced Math 6, or Pre- Algebra	Math 7, Pre-Algebra, or *Algebra I	Math 8, *Algebra I, or *Geometry
Science (3 years required, yearlong course)	Science 6 or Compacted Science 6	Science 7 or Compacted Science	Science 8 or *Physical Science
Social Studies (3 years required, yearlong course)	Social Studies 6, Advanced Social Studies 6	Social Studies 7, Advanced Social Studies 7	Social Studies 8, Advanced Social Studies 8
Physical Education (1 year recommended, semester based courses)	Physical Education	Physical Education, Enhanced Physical Education	Physical Education, Enhanced Physical Education, Introduction to Lifetime Fitness
Technology (semester based courses, 2 or more semesters suggested)	Technology 6	Career Connections, STEM Exploration or Technology	Career Connections, STEM Exploration, or Technology
Fine Arts (1 year or more, all semester courses)	Art, Choir 6, General Music or Beginning Band	Art, General Music, Choir 7/8, Encore Choir, Concert Band, Symphonic Band or Wind Ensemble	Art, General Music, Choir 7/8, Encore Choir, Concert Band, Symphonic Band or Wind Ensemble
World Languages (at least 1 semester suggested)	N/A	Exploratory Mandarin Chinese or Exploratory Spanish	*Spanish I or *Mandarin Chinese I (year-long courses)

*Enrollment in these courses will result in a grade on a high school transcript. Successful completion of any high school course will result in a high school credit.

College Credit Plus

Middle School students wishing to have additional academic challenge may participate in College Credit Plus. Depending on what college students elect to attend, **admission requirements vary**. Students may elect to earn post-secondary credit only or credit for both high school and a post-secondary institution. An “Intention to Participate” form must be returned to the Guidance Office by March 30 prior to the year of enrollment. All college schedules must be turned in to the middle school office and approved by the principal. Students participating must meet with their guidance counselor 10 days prior to the start of school to create a schedule. During the spring scheduling process, all students create a full schedule at the middle school and it will be altered before school starts.

Student Learning Pathways

It is important that students and their families carefully consider courses, programs and experiences during the four years of middle school. To help students take full advantage of all Licking Heights Central Middle School has to offer, we have designed the following Learning Pathways.

Many courses and programs have specific prerequisites and/or admission requirements. It is important that students plan ahead to ensure eligibility and availability of courses. The Learning Pathways are suggested sequences of courses for students with differing backgrounds and differing high school, college, and career planning outcomes. Although a student may begin a certain sequence, he or she may move between pathways as situations and preferences dictate.

ELA 2019-2020	5 th Grade	6 th Grade	7 th Grade	8 th Grade	9 th Grade
Pathway I	ELA 5	ELA 6	ELA 7	ELA 8	English I
Pathway II	ELA 5	ELA 6 or Advanced ELA 6	ELA 7 or Advanced ELA 7	ELA 8 or Advanced ELA 8	English I or Honors English I
Pathway III	ELA 5 or Gifted ELA 5	Advanced ELA 6	Advanced ELA 7	Advanced ELA 8	Honors English I

Math 2019-2020	5 th Grade	6 th Grade	7 th Grade	8 th Grade	9 th Grade
Pathway I	Math 5	Math 6	Math 7	Math 8	Algebra I
Pathway II	Math 5	Math 6, Advanced Math 6 or Pre- Algebra	Math 7, Pre-Algebra, or Algebra I	Math 8, Algebra I, or Geometry	Algebra I, Honors Algebra I, Geometry, or Honors Geometry
Pathway III	Compacted Math 5/6	Math 6, Advanced Math 6 or Pre- Algebra	Math 7, Pre-Algebra, or Algebra I	Math 8, Algebra I, or Geometry	Algebra I, Honors Algebra I, Geometry, or Honors Geometry
Pathway IV	Compacted Math 5/6	Pre-Algebra	Algebra I	Geometry	Algebra II or Honors Algebra II

Science 2019-2020	5th Grade	6th Grade	7th Grade	8th Grade	9th Grade
Pathway I	Science 5	Science 6	Science 7	Science 8	Physical Science
Pathway II	Science 5	Science 6 or Compacted Science	Science 7 or Science 8	Science 8 or Physical Science	Physical Science or Biology
Pathway III	Gifted Science 5	Compacted Science	Science 8	Physical Science	Biology Or Honors Biology

Social Studies 2019-2020	5th Grade	6th Grade	7th Grade	8th Grade	9th Grade
Pathway I	Social Studies 5	Social Studies 6	Social Studies 7	Social Studies 8	World Studies
Pathway II	Social Studies 5	Social Studies 6 or Advanced Social Studies 6	Social Studies 7 or Advanced Social Studies 7	Social Studies 8 or Advanced Social Studies 8	World Studies or Honors World Studies

End of Course Exams for High School Graduation Credit

(At the Middle School level, this only pertains to students in Algebra I and Geometry I. However, it will apply to all students once they are in High School.)

For each of the seven end-of-course state tests, a student earns one to five graduation points. Students have the potential to earn a total of 35 points. To meet this graduation option, a student must earn a minimum number of 18 points from all tests.

This graduation option gives a student flexibility in accumulating 18 points. A high score on one test can balance a low score on another test. **A student must earn a total of at least four points on English tests, four points on math tests and six points on science and social studies tests.**

PERFORMANCE LEVEL	GRADUATION POINTS
Advanced	5
Accelerated	4
Proficient	3
Basic	2
Limited	1

End-of-course exams are:

- Algebra I and Geometry
- Biology
- American History and American Government
- English I and English II

Students studying Advanced Placement (AP) courses in Biology, American History or American Government may take and substitute test scores for end-of-course state exams to avoid double testing. Students also may substitute grades from College Credit Plus courses in these science and social studies subjects for end-of-course state exams.

End of Course Exams for Foreign Languages

All 8th grade students taking Spanish I or Mandarin Chinese I will take an end of the year exam. Students must take the exam and are required to demonstrate mastery in key areas of skill before progressing to Spanish II or Mandarin Chinese II at the high school.

Course Descriptions

All Courses Aligned to Ohio's New Learning Standards

Computer Technology

Technology Recommendation: Two or more semesters

706	Technology 6 (Semester)
708	Technology (Semester)
714	Career Connections (Semester)
715	STEM Exploration (Semester)

706 Technology 6

This course is designed for 6th grade students to focus on using the latest technology tools so that students may be technologically literate and comfortable in the 21st century. Content covered will include keyboarding, tech skills for online testing, word processing, spreadsheets, presentations, digital citizenship, searching the internet, and evaluating websites. We will end the semester with a career research project that uses the skills learned throughout the semester.

708 Technology

In Technology classes (grades 7 and 8), students will learn to be good digital citizens, using appropriate, responsible behaviors with regards to technology. Students will master the skill of typing without looking at the keyboard. In addition, students will focus on using some of the Google Apps for Education, specifically Docs, Slides, Sheets and Drawings. Google Docs is a very interactive documentation app with lots of innovative features such as research, add-on, and more. Students will create documents, store them online in drive and share with others with multiple choice of access for collaboration. Sheets can be used for more calculation oriented information and slides for presentations & animations. Like Docs, these also have sharing options and access control. Students will easily create, share, and edit drawings online by creating a drawing using Google Drawings. Whether they are trying to make a diagram or chart, or to paint an image, students will use the editing options in Google Drawings to create the drawing they want. Students will be exposed to the multi-layers of each of these apps to become skilled in document, presentation, project and animation creations.

714 Career Connections

This course is designed by C-TEC of Licking County for 7th and 8th grade students. Students will learn to utilize skill sets from multiple academic subjects to complete hands-on projects representing a variety of career pathways. There is a strong emphasis on the development of professional habits as a student in order to prepare to be a successful and professional employee in the future. Students will examine and explore the world of work, assess their interests and abilities, and document personal research to help make informed decisions as they approach high school and other opportunities. Students are permitted to take this class either 7th or 8th grade year. If students are interested in taking the course for two years in a row, the course is designed to have different projects each year for a new experience, while developing the twenty-first-century skills even further.

715 STEM Exploration

Students in STEM Exploration will acquire knowledge and skills in problem solving, teamwork and innovation. Students explore STEM careers as they participate in a project-based learning process, designed to challenge and

engage the natural curiosity and imagination of middle school students. Teams design and test their ideas using modeling, automation, robotics, mechanical and computer control systems, while exploring energy and the environment.

English Language Arts

English Requirement: All three years in Middle School
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506A	ELA 6	5061A	Advanced ELA 6
507A	ELA 7	5071A	Advanced ELA 7
508A	ELA 8	5081A	Advanced ELA 8

506A Sixth Grade English Language Arts

This course prepares students for seventh and eighth grade by building reading, writing, and vocabulary skills through the study of nonfiction, fiction, and poetry. It emphasizes application of reading standards to various genres, stresses development of multi-paragraph writing pieces, and continued growth of vocabulary strategies and skills. Some out of class writing will be required, and out of class reading is suggested, but all required reading will be completed in class.

5061A Advanced Sixth Grade English Language Arts

This course prepares students for seventh and eighth grade by building their knowledge of reading, writing, and vocabulary skills through the study of nonfiction, fiction, and poetry. It emphasizes application of reading standards to various genres, stresses development of multi-paragraph writing pieces, and continued growth of vocabulary strategies and skills. Both reading and writing may be required outside of class in addition to writings and reading completed in class. The reading selections and novels, class work, and assignments in this course will be at an advanced sixth grade level.

PREREQUISITE: Have a B average or better in ELA the year prior or have an average score of 85% or higher on the STAR assessment, and have scored advanced/accelerated on prior year ELA AIR assessment.

507A Seventh Grade English Language Arts

This course is designed with the goal of preparing students for early high school readiness, along with the upcoming eighth grade curriculum. Our focus is on enhancing the Common Core Standards with our primary focuses being placed on reading, writing, language, and speaking and listening. Our goal is to expose students to a variety of texts, of varying levels, using numerous genres: fiction, historical fiction, non-fiction, poetry, realistic fiction, and informational texts. Additionally we are working to enhance their written abilities and talents. Through basic writing fundamentals, structures of writing, and varying genres, students are improving their written skills. As the year progresses, they will develop the ability to focus on major writing pieces such as narratives, informational essays, and persuasive pieces. As the primary reading and writing skills continue to evolve, so do our students' language and vocabulary skills, along with their abilities to effectively communicate with one another in small groups, class presentations, among other various formats.

5071A Advanced Seventh Grade ELA

The Advanced Seventh Grade ELA course is an extension of the traditional Seventh Grade ELA course. In Advanced ELA, the same Common Core State standards and content are covered; however, the methods in which that is done require deeper thought processes, in-depth discussions, and extension activities beyond the baseline ELA requirements. Students enrolled in this advanced placement course can expect a heavier workload, along with a more demanding and rigorous academic schedule.

PREREQUISITE: Have a B average or better in ELA the year prior or have an average score of 85% or higher on the STAR assessment, and have scored advanced/accelerated on prior year ELA AIR assessment.

508A Eighth Grade English Language Arts

This course is designed with the goal of preparing students for high school readiness, along with the upcoming ninth grade curriculum. In this course, students will gain knowledge by focusing on Common Core State Standards driven units. Students will read both literature and informational texts, write for multiple purposes, research, and build speaking and listening skills. Reading standards for both fiction and non-fiction units will incorporate textbooks, along with novels, and external literary resources to provide students with a vast understanding and appreciation for all types of literature. In doing so, students can expect to read short stories, poetry, historical fiction, realistic fiction, biographies, and complete author studies. Writing standards will incorporate the composition of narratives, expository essays, and argumentative pieces. Research components will be a part of the writing process, and students' developing composition skills.

5081A Advanced Eighth Grade ELA

The Advanced Eighth Grade ELA course is an extension of the traditional Eighth Grade ELA course. In Advanced ELA, the same Common Core State standards and content are covered; however, the methods in which that is done require deeper thought processes, in-depth discussions, and extension activities beyond the baseline ELA requirements. Students enrolled in this advanced placement course can expect a heavier workload, along with a more demanding and rigorous academic schedule.

PREREQUISITE: Have a B average or better in ELA the year prior or have an average score of 85% or higher on the STAR assessment, and have scored advanced/accelerated on prior year ELA AIR assessment.

World Languages

World Language Recommendation: One year

710	Exploratory Mandarin Chinese (Semester)	20514	Mandarin Chinese I (Year)
711	Exploratory Spanish (Semester)	20513	Spanish 1 (Year)

711 Exploratory Spanish (7th Grade)

During this semester course, students can get a basic introduction to the language and culture. Students use the target language for simple communication and activities. Songs, food and games help students learn about culture and acquire new vocabulary. (One Semester)

20513 Spanish I - 1 High School Credit (8th Grade)

Spanish I is the introductory study of the Spanish language and Hispanic cultures. This course lays the foundation of basic listening, speaking, reading, and writing skills and to introduce students to the culture of the target language. The instructional approach for this course includes a variety of methods, use authentic materials, and available technology. Activities involving games, music and foods as well as field trips may also be scheduled.

710 Exploratory Mandarin Chinese (7th Grade)

In this course, students will learn basic communication including self-introduction, numbers, family introductions, nationality, school, food and drinks. They will learn to ask and answer questions about these topics. The focus is on listening and speaking in the four language skills. And the students can do some writing in Pinyin and a little in characters. They will learn about the Chinese culture (painting, calligraphy, Chinese food and table manners, kinship, festivals, blue-white porcelain). They will become more confident and interested in the culture and language. (One Semester)

20514 Mandarin Chinese I - 1 High School Credit (8th Grade)

In this course, students will learn simple daily communication including self-introduction, numbers, day and date, family introduction, nationality, school, address, food and drinks, colors, animals and sports. They will ask and answer questions about these topics. The major language skills taught are listening and speaking. In addition, they will read simple paragraphs in Chinese and do some writing in Pinyin, along with some characters. The students will learn about the Chinese culture and China itself (painting, calligraphy, food and table manners, kinship, festivals, blue – white porcelain, places of interest, paper-cutting). Instructors for this course are provided in partnership with The Confucius/Hanban Institute and College Board International Teacher Exchange Program.

Fine Arts

Fine Arts Recommendation: One Year

857	Art (Semester)	9699	Wind Ensemble (Year)
9666	Beginning Band Trumpet (Year)	956	Choir 6 (Semester)
9666P	Beginning Band Percussion (Year)	957	Choir 7/8 (Year)
9666C	Beginning Band Clarinet (Year)	958	Encore Choir (Year)
9666T	Beginning Band Trumpet (Year)	9566	General Music 6 (Semester)
9666S	Beginning Band Saxophone (Year)	9577	General Music 7/8 (Semester)
9666F	Beginning Band Flute (Year)		
9677	Concert Band (Year)		
9688	Symphonic Band (Year)		

857 Art (6th, 7th and 8th Grades)

In this class we will explore a variety of skills related to the Visual Arts. These skills include, but are not limited to the following: learning how images in art communicate meaning, connecting art with other content areas, experimenting with art making processes and a variety of art mediums, exploring the elements of art and principles of design, demonstrating self-expression through creation, and practicing self-assessment and reflection on your own artwork.

9577 General Music (7th and 8th Grades)

This course is designed to develop comprehensive musicianship and to explore the ways that music influences our lives. Students will learn how to perform, improvise, compose, read and notate music, analyze music, and also understand music's relationships between the arts and history. Throughout the class there will be numerous opportunities for each student to express his or her personality through various music projects, such as group rhythm composition, song writing, drum circles, and ukulele. All students are expected to participate in all activities with an open mind. (One Semester)

9566 General Music (6th Grade)

This course is designed to be a non-performance music class. Students will be introduced to instruments, world music, composers, musical genres, music theatre, and other musical concepts through this course. All students are expected to participate in learning the theory of music and various musical topics. (One Semester)

956 6th Grade Choir

This course is designed to foster success in beginning singers. Students will be introduced to music literacy through Solfege syllables and Kodaly rhythm syllables. All are introduced to basic concepts of vocal technique as well as a wide variety of music, musical concepts, and music theory. The development of each student's voice is stressed. Sequentially paced choral arrangements, in unison, rounds, partner songs, and 2-part voicing, as determined by the instructor, as well as the established choral method book, will facilitate frequent performance opportunities inside the classroom. Students are required to attend all mandatory concerts held outside of the classroom. (One Semester)

957 7th/8th Grade Choir

This course is designed to foster success in intermediate singers. Students will continue to develop music literacy through Solfege syllables and Kodaly rhythm syllables. All are introduced to concepts of vocal performance and exposed to a wide variety of music, musical concepts, and music theory. The development of each student's voice is stressed. Sequentially paced choral arrangements, in unison, 2-part, 3-part, and SAB, as determined by the instructor, as well as the established choral method book, will facilitate frequent performance opportunities inside the classroom. Students are required to attend all mandatory concerts held outside of the classroom, at which they will perform the repertoire we have learned. Audition and selection by director.

958 Encore Choir (7th and 8th Grades)

This course is designed to foster success in advanced singers. Students will continue to develop music literacy through Solfege syllables and Kodaly rhythm syllables. All are introduced to concepts of vocal performance and exposed to a wide variety of music, musical concepts, and music theory. The development of each student's voice is stressed. Encore choir performs more advanced repertoire and performs in many concerts and community events throughout the year. Students are required to attend all mandatory concerts held outside of the classroom, at which they will perform the repertoire we have learned. Audition and selection by director.

9666 Beginning Band, Trumpet / 9666C Beginning Band, Clarinet / 9666F Beginning Band, Flute / 9666P Beginning Band, Percussion / 9666S Beginning Band, Saxophone / 9666T Beginning Band, Trombone

This course is designed to foster success in beginning instrumentalists. This class is primarily open to 6th grade students or other students who have not been in a band class prior. All are introduced to basic concepts and instrument performance and exposed to a wide variety of music/musical concepts. Students are placed on a specific instrument based on a fitting process and that is the instrument the student will continue with throughout the class. This class is broken down into homogenous groupings of like instruments. The development of each student's playing skills on their specific instrument is stressed. Solos, duets, ensembles, and sequentially placed band arrangements, as well as the established band method book, will facilitate frequent performance opportunities. After school concerts are mandatory and factored into the student's grade.

9677 Concert Band (7th and 8th Grades)

This course is designed to foster success in the intermediate instrumentalists. This class is open to any 7th or 8th grader with beginning band experience, and is an auditioned ensemble. Basic concepts from the previous experience in the Beginning Band courses are reinforced and built upon. Students are exposed to a larger range of various literature and instrument demand through performance, and more frequent performance opportunities. This is the entry level full ensemble setting, meaning the class is taught as a heterogeneous grouping of different instruments. The development of individual and ensemble playing skills is stressed. Solos, duets, ensembles, and sequentially paced band arrangements, as well as the established band method book, will facilitate frequent performance opportunities. Students will also be exposed to a wider variety of instruments throughout this class (Oboe, Bassoon, Baritone Sax, Tenor Sax, Bass Clarinet, Tuba, and French horn). After school concerts are mandatory and factored into the student's grade.

9688 Symphonic Band (7th and 8th Grades)

This course is designed to foster success in intermediate instrumentalists. This class is open to any 7th or 8th grader with Beginning Band experience, and is an auditioned ensemble. Intermediate concepts from the previous experience in Beginning Band or Concert Band are reinforced and built upon. Students are exposed to a larger range of various literature and instrument demand through performance, and more frequent performance opportunities. This is the intermediate level full ensemble setting, meaning the class is taught as a heterogeneous grouping of different instruments. The development of individual and ensemble playing skills is stressed. Solos, duets, ensembles, and sequentially paced band arrangements, as well as the established band method book, will facilitate frequent performance opportunities. Students will also be exposed to a wider variety of instruments throughout this class (Oboe, Bassoon, Baritone Sax, Tenor Sax, Bass Clarinet, Tuba, and French horn). After school concerts are mandatory and factored into the student's grade.

9699 Wind Ensemble (7th and 8th Grades)

This course is designed to foster success in advanced instrumentalists. This class is open to any 7th and 8th grader with Beginning Band experience, and is an auditioned ensemble. Advanced concepts from the previous experience in Beginning Band, Concert Band or Symphonic Band are reinforced and built upon. Students are exposed to a larger range of various literature and instrument demand through performance, and more frequent performance opportunities. This is the advanced level full ensemble setting, meaning the class is taught as a heterogeneous grouping of different instruments as a fast pace. The development of individual and ensemble playing skills is stressed. Solos, duets, ensembles, and sequentially paced band arrangements, as well as the established band method book, will facilitate frequent performance opportunities. Students will also be exposed to a wider variety of instruments throughout this class (Oboe, Bassoon, Baritone Sax, Tenor Sax, Bass Clarinet, Tuba, and French horn). After school Concerts are mandatory and factored into the student's grade.

Mathematics

Mathematics Requirement: All three years in Middle School

306A	Math 6	308A	Math 8
3061A	Advanced Math 6	20510A	Algebra 1
307A	Math 7	30522	Geometry
3071	Pre-Algebra		

306A Math 6

In this class, students will understand ratio concepts and use ratio reasoning to solve problems. In the number system, they will apply and extend previous understandings of multiplication and division to divide fractions by fractions, multiply and divide multi-digit numbers and find common factors and multiples. Sixth grade students will be introduced to algebraic expressions by applying and extending previous understandings of arithmetic. In regards to geometry, students will solve real-world and mathematical problems involving area, surface area, and volume. Students will extend their knowledge of statistics by developing an understanding of statistical variability.

3061A Advanced Math 6

In this class, students will be learning the same concepts as students in the Math 6 class. However, the advanced section is faster paced, requires critical thinking and has higher expectations. Students will be extending their knowledge about of the sixth grade content to understand concepts at a more in-depth level. Students will understand ratio concepts and use ratio reasoning to solve problems. In the number system, they will apply and extend previous understandings of multiplication and division to divide fractions by fractions, multiply and divide multi-digit numbers and find common factors and multiples. Sixth grade students will be introduced to algebraic expressions by applying and extending previous understandings of arithmetic. In regards to geometry, students will solve real-world and mathematical problems involving area, surface area, and volume. Students will extend their knowledge of statistics by developing an understanding of statistical variability.

PREREQUISITE: Have earned a B or better in Math 5 and have an average score of 85% or higher on STAR assessment, and scored accelerated/advanced on the prior year Math AIR assessment.

307A Math 7

This course is based on the common core mathematical standards and develops the students' learning in five principles of mathematics, which are ratios and proportional relationships, the number system, expressions and equations, geometry, and statistics and probability. Seventh grade students will apply and extend their previous understandings of operations with fractions to add, subtract, multiply, and divide rational numbers. Students will then use their knowledge of operations to generate equivalent expressions and solve algebraic equations. In regards to geometry, students will draw, construct, and describe geometrical figures and explain relationships between them. In the area of statistics and probability, students will compare data and draw inferences from multiple samples and develop and evaluate probability models.

308A Math 8

This course focuses on three critical areas formulation and reasoning about expressions and equations, including modeling an association in bivariate data with linear equation, and solving linear equations and systems of linear equations. The second area is graphing the concept of a function and using functions to

describe quantitative relationships. The third area is analyzing two- and three dimensional space and figures using distance, angle, similarity, and congruence, and understanding and applying Pythagorean Theorem.

3071 Pre-Algebra

In this course, students will understand the difference between rational and irrational numbers, understand the connections between proportional relationships, lines, and linear equations, and analyze and solve linear equations. Students will define, evaluate, and compare functions and use functions to model relationships between quantities. In regards to geometry, students will understand and apply the Pythagorean Theorem as well as solve real-world and mathematical problems involving volume and surface area. For statistics, students will use measures of center and variability and develop and use probability.

PREREQUISITE: If in Compacted Math 5/6 or Advanced Math 6, have earned a B or better in Compacted Math 5/6 or Advanced Math 6 or have earned an average score of 85% or better on the STAR assessment, and scored advanced/accelerated on the prior year Math AIR assessment.

20510A Algebra I - 1 High School Credit

Algebra I is a full year curriculum and prepares students for Geometry. This course helps students solve problems both critically and analytically. Specifically covered concepts begin with a brief review of material from Pre-Algebra, leading to a more in-depth look at the advanced world of set theory, irrational numbers, factoring, the solution of equalities and inequalities, quadratic equations, and polynomials and exponents. Emphasis is placed upon strengthening the students' approach to real world problem solving and his or her ability to retain information.

PREREQUISITE: Have a B average or better in Pre-Algebra or Math 7 or have an average of 85% or better on the STAR assessment, and scored advanced/accelerated on the prior year Math AIR assessment.

30522 Geometry - 1 High School Credit

This study of Euclidean geometry is designed to organize the apparent laws of the two- and three- dimensional world into a system allowing the study and proof of other not-so-apparent relationships. Emphasis is placed upon the application of logic to problem solving, proofs, and the use of formulas. Scientific calculator is required.

PREREQUISITE: C or better in Algebra I.

Science

Science Requirement: All three years in Middle School			
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406A	Science 6	4071A	Compacted Science
4061A	Compacted Science	408A	Science 8
407A	Science 7	4081A	Physical Science

406A Science 6

In this course, students will be learning about concepts from three different strands in science. Specifically for Earth and Space Science, they will be studying the rocks, minerals, and soil that make up part of our Earth. The physical sciences will be addressed when they learn about matter, motion, and kinetic and potential energy. During our Life Science unit, students will be focusing on another form of matter, cells and the Cell Theory. At the beginning of the year, a strong focus will be on Scientific Inquiry and Application because these concepts and skills will be used throughout the year. Students will be completing many hands-on activities to help them explore these science concepts.

4061A Compacted Science 6

In this course, students will be learning both 6th grade and 7th grade science content at an accelerated pace. Upon completion of this course, students will take 8th grade science during their 7th grade year.

The strands of science that will be covered include Earth and Space Science (Rocks, Minerals and Soil and Cycles & Patterns of Earth and the Moon), Physical Science (Matter & Motion and Conservation of Mass & Energy), and Life Science (Cellular to Multicellular and Cycles of Matter and Flow of Energy).

At the beginning of the year, a strong focus will be on Scientific Inquiry and Application because these concepts and skills will be used throughout the year. Students will be completing many hands-on activities to help them explore these science concepts. Students will also be required to complete a large science project in the beginning of the year. Much of this project will be completed at home and will need to be presented to the class. This course is designed for students who have demonstrated exceptional scientific reasoning and a wide knowledge of general science concepts. This course will be rigorous and fast-paced.

PREREQUISITE: Have a B average or better in Science the year before or have an average score of 85% or higher on the ELA STAR assessment, and scored advanced/accelerated on the 5th grade science AIR assessment.

407A Science 7

This is an integrated science course that begins by studying the scientific method, and encourages students to use these process skills throughout the rest of the year. Physical Science, Life Science, and Earth Science include the topics of study. Problem solving, collaboration, and hands-on activities will be emphasized throughout the course.

4071A Compacted Science

Students enrolled in Pre-Physical Science will be accelerated through 7th and 8th grade science content (Physical Science, Life Science and Earth Science) and complete it by the end of seventh grade. During their eighth grade

year, students will take the Physical Science course for high school credit. This Pre-Physical Science course targets students who have demonstrated exceptional scientific reasoning and a wide knowledge of general science concepts. Due to rigorous content and pacing, in addition to science skills, students must achieve at a highly advanced level in both math and reading in order to be eligible for placement in this program.

PREREQUISITE: Have a B average or better in that subject area the year before or have an average score of 85% or higher on the ELA STAR assessment.

408A Science 8

In this course, students will focus on three branches of science throughout the year. For life science, students will explore heredity, reproductive strategies and evolutionary theory. For earth science, students will investigate the composition and structure of the Earth and study the theories of continental drift and plate tectonics. For physical science, students will examine Laws of Motion and energy. Scientific inquiry and critical thinking will be important skills students demonstrate during each unit of study.

40111B Physical Science - 1 High School Credit

This course is designed as a three-part course. The first part examines chemistry - the structure and interaction of matter. The second part deals with physics - motion, Newtonian mechanics, and forms of energy. Part three introduces the student to the processes that occur within the Earth and the origin and evolution of stars and other heavenly bodies. Special emphasis will be given to the integration of scientific concepts and to the study of scientific current events. Reasoning, technical reading, writing and lab skills are emphasized.

PREREQUISITE: C or better in math and a B or better in Compacted Science.

Physical Education

Physical Education Recommendation: One year

917	General Physical Education (Semester)	919	Introduction to Lifetime Fitness (Semester)
918	Enhanced Physical Education (Semester)		

917 General Physical Education – GPE (6th, 7th and 8th Grades)

General Physical Education class that will cover the 5 components of physical fitness, basic team sports and development of lifelong student learners to overall wellness and health concepts. We will cover the importance of physical, mental, social and emotional health through activity-based instruction. Students will be expected to change and test in each of the fitness areas created by the Ohio Physical Education State Standards.

918 Enhanced Physical Education– EPE (7th and 8th Grades)

This course is designed for the student who has already completed General Physical Education but desires to go more in depth in the 5 components of Physical Fitness. This class will dig deeper into game system play, tournaments and a higher level of learning of the concepts of “team sport.” This class is not designed for the individual that does not seek or desire a more challenging environment with a higher expectation of effort each class. At any point a student that does not meet the expectations of this course can be switched to our basic PE1 level course.

PREREQUISITES: Earned an A in GPE, was proficient in all areas of the State of Ohio Standards for PE, recommendation from PE teacher.

919 Introduction to Lifetime Fitness-ILF (8th Grade)

This course is designed for the student who intends to be involved with athletics throughout their entire life. Topics will include nutrition, fitness planning (using F.I.T.T. principles and taking them a step further), introduction to basic anatomy and physiology, weight training, and various other topics. The goal is to learn to prepare the body for athletic success by knowing how it works and providing it with the proper fuel and preparation. This course will be geared toward someone who has a love for sport and has a goal of high school and/or college participation. It is also for students who may have an interest in a health-related field such as athletic training, personal training, physical therapy, orthopedics, medicine, etc.

PREREQUISITES: Earned an A in EPE, was proficient in all areas of the State of Ohio Standards for PE, recommendation from PE teacher.

Social Studies

Social Studies Requirement: All three Years in Middle School

206A	Social Studies 6	2061A	Advanced Social Studies 6
207A	Social Studies 7	2071A	Advanced Social Studies 7
208A	Social Studies 8	2081A	Advanced Social Studies 8

206A Social Studies 6

The sixth-grade social studies curriculum is designed to help students to master the Ohio Social Studies Academic Standards. The course enhances the student's understanding of history through timelines and the study of people and events of Early Civilizations, Mesopotamia, Egypt, India, and China. This course focuses on the significance of geography, economics, religion, and government in the development of the human story, including the conflicts and accomplishments of the people and their roles in developing the social, economic, religious, and political structures of the major civilizations.

2061A Advanced Social Studies 6

As an advanced course, this class will distinguish itself from other sixth-grade social studies classes by rigor, pace, and depth of content. The advanced curriculum will address the same Ohio Social Studies Academic Standards for sixth grade as Social Studies Grade 6, but the emphasis on the use of primary documents serves as a foundation for advanced social studies classes in the middle school. Students will learn to think analytically as they use primary documents to compare and contrast events, discover cause and effect relationships, identify biases and consider links between historical and modern-day issues. In addition, the advanced curriculum will establish a connection between history, culture, and literature. Students will learn to construct and express their views orally and in writing. The development of writing skills will include the formation of a thesis supported by factual evidence, argument, and the analysis of primary documents. Research-based and project-based learning will be incorporated into the curriculum using technology with the understanding that research skills and presentations are an integral part of the social studies advanced curriculum.

PREREQUISITE: Have a B average or better in Social studies the year before or have an average score of 85% or higher on the ELA STAR assessment, and scored advanced/accelerated on the 5th grade ELA AIR assessment.

207A Social Studies 7

The seventh-grade social studies curriculum is designed to help students to master the Ohio Social Studies Academic Standards. This course will allow students to journey across time from 750 B.C. to 1600 A.D. We will delve into early civilizations as units of study on Greece, Rome, China, Mongols, Medieval Europe, Japan, Africa/Trans-Saharan Trade, Renaissance, Reformation, and Columbian Exchange. Students will examine the enduring understandings forged in world history that continue to impact our world relations today. Students will use essential questions and inquiry-based methods to analyze central themes.

2071A Advanced Social Studies 7

As an advanced course, this class will distinguish itself from other eighth-grade social studies classes by rigor, pace, and depth of content. This course will allow students to journey across time from 750 B.C. to 1600 A.D.. We will delve into early civilizations as units of study on Greece, Rome, China, Mongols, Medieval Europe,

Japan, Africa/Trans-Saharan Trade, Renaissance, Reformation, and Columbian Exchange. Students will examine the enduring understandings forged in world history that continue to impact our world relations today. Students will use essential questions and inquiry-based methods to analyze central themes. Organizational skills will be emphasized through the use of class portfolios and project-based learning.

PREREQUISITE: Have a B average or better in Social studies the year before or have an average score of 85% or higher on the ELA STAR assessment, and scored advanced/accelerated on the 6th grade ELA AIR assessment.

208A Social Studies 8

The eighth-grade social studies curriculum is designed to help students to master the Ohio Social Studies Academic Standards. This course will cover United States history from European Colonization (1492) through Civil War and Reconstruction (1877). Using Primary and Secondary Sources, students will be immersed in the history of the founding of the United States through the study of its history, geography, government, and economics that connects students to the real world today. Topics include the American Revolution, the United States Constitution, Westward Expansion, Civil War and Reconstruction.

2081A Advanced Social Studies 8

As an advanced course, this class will distinguish itself from other eighth-grade social studies classes by rigor, pace, and depth of content. This course leads students on an intense, interactive study of America's Founding. Students will be engaged in an interactive study of how the world's early explorers laid claim to North and South America, vied for power until a collection of British colonies transformed itself into the United States of America. Students will utilize a number of informational sources, both primary and secondary, to illustrate early American history from colonization through Civil War and Reconstruction. Students will work collaboratively on project-based units to make connections to 20th and 21st-century events that continue to impact the world today.

PREREQUISITE: Have a B average or better in Social studies the year before or have an average score of 85% or higher on the ELA STAR assessment, and scored advanced/accelerated on the 7th grade ELA AIR assessment.

Intervention and Enrichment

IE006, IE007, IE008 Intervention/Enrichment (6th, 7th and 8th)

This half-hour period is opposite of every student's lunch period. This time is used as an extension of the core content classes. This class will also be used to remediate content standards to help prepare students for the AIR assessments. Teachers also use it as a time to share announcements and to teach organizational and study skills.