



Middle School Program of Study 2016-2017

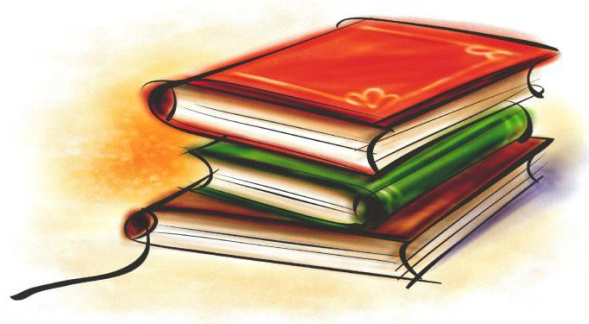


Ankeney Middle School

Coy Middle School

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BEAVERCREEK CITY SCHOOLS' MIDDLE SCHOOL MISSION STATEMENT

Beavercreek City Schools provide a strong foundation for the pursuit of excellence and learning for life by:

- teaching learners of all abilities and cultures essential skills in a nurturing environment;
- using the skills and talents of our educational leaders and the community to promote creative and critical thinking;
- helping students and the community fulfill their vision for education

The mission of the Middle School is to prepare all students for the academic, social, civic, and career needs of the twenty-first century. This will be accomplished by providing programs that emphasize lifelong skills necessary to continue learning and communicate clearly which will contribute to the useful and productive lives of students.

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PHILOSOPHY STATEMENT

The Middle School will be a positive climate for young adolescents by providing and promoting a shared vision and high expectations for each child. Through more flexible organizational structures and varied teaching strategies, the Middle School will offer access to curriculum that is challenging, integrative, and exploratory.



WHAT IS COLLEGE CREDIT PLUS (CCP)?

College Credit Plus is designed to help students earn college and high school credits at the same time by taking college courses from community colleges or universities. The purpose of this program is to promote rigorous academic pursuits and to provide a wide variety of options to students in grades 7-12 who meet college admission requirements. As required by law, no fees will be charged to families for College Credit Plus classes taken through public universities.

TIMELINE:

Students and parents are required to inform their school district that they intend to participate in the College Credit Plus program **by March 31** for the following year.

ADVANTAGES OF CCP FOR STUDENTS:

- Students may earn college credit and high school credit upon successful completion of the course.
- Increase the rigor and challenge of course offerings while in high school
- Per HB 487, College Credit Plus courses must receive the equivalent weight as any weighted course within a given content area.
- Course tuition at public colleges/universities paid for by Beavercreek City Schools. Students choosing to enroll in a participating private college or university may incur limited costs.

CONSIDERATIONS FOR PARENTS AND STUDENTS:

ELIGIBILITY

- In order to participate in CCP students must meet requirements established by each college/university.
- To register for a class students must meet the prerequisite requirements outlined by the university or college in which they are attending.
- A student must provide his/her own transportation if taking courses on the college campus.

SCHEDULING

- Students taking College Credit Plus courses are subject to the rules and regulations of the university they are currently attending, including add, drop, and enrollment dates. Students withdrawing from a college course after the BHS drop deadline will not be scheduled into comparable HS classes until the following semester.
- Students must schedule a full BHS schedule prior to registering for college classes. The class schedule may be adjusted at a later date. Students must have a schedule that equal full-time status.
- Students will not earn credit for college courses at the remedial level.
- BHS is not responsible for any scheduling conflicts between college courses and BHS classes and/or school activities. This includes credits needed prior to BHS commencement exercises. It is your responsibility to make sure driving time is sufficient.

- Federal financial aid may be impacted: federal guidelines limit the number of courses you may attempt (even if they are taken while in high school) to 150% of the number of credits needed for a degree.
- **It is the responsibility of student/parent to maintain close communication with both their BHS counselor and academic advisor at the university.**

AMOUNT OF WORK/PACE/MATURITY

- Courses taken on the college campus will be comprised of students of all ages enrolled at the college, not just students enrolled through CCP. While in college courses, students are introduced to a learning environment that promotes an open exchange of ideas. Course content is presented on an adult level and class discussions require a mature understanding of divergent viewpoints and the ability to think critically on controversial issues.
- Students should understand that these courses are college-level courses, and the amount of work, pace, and rigor of content in college courses may be much greater than high school courses. In addition, college course grades become a part of a student's permanent college transcript and are calculated into the college grade point average. **Poor performance in college courses may affect future university admissions and financial aid.** Therefore, it is important to perform well in college courses to realize the benefits of taking college courses while in high school.

HIGH SCHOOL GRADUATION REQUIREMENTS

- No BHS graduation requirements will be waived for any student participating in College Credit Plus but College Credit Plus courses may be used to meet BHS graduation requirements.

FAILURE OR WITHDRAWAL FROM CCP COURSE

- **If a student fails or withdraws from any college course, the cost for tuition, fees, and books will be charged to the family.**
- No credit is awarded for a failed course.
- No coursework will be given Pass/Fail as a grade.
- If the failed course is a requirement for high school graduation, it must be retaken and completed before graduation.
- Proper paperwork must be filed with the university to withdraw. Upon withdrawal, the student must meet with BHS counselors to develop a new graduation plan and schedule.
- These courses and the grades associated with them will be reported on both the student's high school transcript as well as the college transcript.
- Failure to satisfactorily complete a college course for BHS credit may result in (but not be limited to) the following consequences:
 - a. Fees for dropped or failed class will be assessed
 - b. Failure to meet graduation requirements
 - c. Loss of commencement privileges
 - d. Negative effect on GPA and class rank
 - e. Loss of extra-curricular eligibility

ACADEMIC CREDIT: CCP TO BHS

- A college course earning 3 or more semester hours = 1 HS credit.
- A college course earning less than 3 semester hours = a proportional fraction of a HS credit.

For Example:

- 2 semester hour college course = 0.66 credits at BHS.
- 1 semester hour college course= 0.33 credits at BHS.
- Maximum number of hours allowed per school year in CCP program at college=30 college hours AND cannot exceed 120 college credit hours over students' career.

WEIGHTED GRADES

- All advanced standing programs will be weighted the same within subject area.
- CCP courses will be awarded the same weight as AP courses.

ACADEMIC CREDIT: COLLEGES

- If a student attends the same college after high school graduation, full credit is transferred.
- Honors Programs may not accept credits.
- If you want to know whether the CCP course will possibly transfer to another college, you must contact that specific college and ask admissions.
- Credit is not guaranteed at out of state public colleges and private universities.

EXTRACURRICULAR ACTIVITIES

- Students who participate in extracurricular activities must still meet eligibility requirements set by the school district and the OHSAA. Students must be enrolled and receive passing grades in courses that earn a minimum of 5 credits per year toward high school graduation. Eligibility is based on the courses taken in the preceding grading period. Check with counselor if you need to remain eligible for OHSAA sports.
- If the student plans on playing a sport in college, CCP courses may not be accepted for NCAA clearing house.

COUNSELING SERVICES

- An academic advisor from the participating institution is required to meet with each student within the first two weeks of class. This may be done in a group setting.
- College transcripts can be requested by visiting the respective college or university website associated with the courses taken. Beavercreek High does not have access to college transcripts
- All BHS students (whether full or part-time) have free access to all BHS guidance services. This includes all academic, personal and post-secondary counseling services.

TRANSFER OF CREDITS/TRANSCRIPTS

- Credits earned through College Credit Plus are transferable to many public and private institutions in Ohio and out of the state.
- Students who want to transfer to another university will need to send their transcript from the Institute of Higher Learning (IHL) to the university they plan to attend.
- Many CCP courses apply towards the general education requirement or as electives at most school.
- Two websites are available to help students fully understand what courses will transfer: www.transfer.org or www.ohiomeanssuccess.gov



Sample of 15 and 30 College Credit Pathways

COURSE	CRN	CREDIT
French 1010	Beginning French	3
English 1100	Academic Reading and Writing	3
Math 1280	College Algebra	3
Chemistry 1010	Intro to Chemistry	3
Sociology 2000	Intro to Sociology	3
Subtotal		15
Second Semester		
French 1020	French II	3
English 2040	Great Books	3
Music 2140	Music in Western Culture	3
History 1010	Western Civilization to 1500	3
Earth Science 1030	Paleobiology of Dinosaurs	4
Total		31

Sixth Grade

Sixth grade students take the following core subjects:

- ◆ English Language Arts
- ◆ Math
- ◆ Science
- ◆ Social Studies
- ◆ Strategies for Success

ALL students will choose options from the following Encore courses:

- ◆ 2-D Visual Art Design (nine weeks)
- ◆ 3-D Visual Art Design (nine weeks)
- ◆ Band (full year)
- ◆ Career Exploration (nine weeks)
- ◆ Choir (full year)
- ◆ Digital Media and Technology Integration (nine weeks)
- ◆ Exploratory Foreign Language (nine weeks)
- ◆ Fitness (nine weeks)
- ◆ Introduction to Design Thinking 6 (nine weeks)
- ◆ PE (nine weeks)
- ◆ Technological Literacy (nine weeks)

Sixth Grade Core Classes

English Language Arts 6

Language Arts for sixth grade includes reading, English, spelling, and vocabulary. Students develop and learn to apply strategies that help them comprehend and interpret informational and literary texts. Students acquire vocabulary through exposure to language-rich situations, such as reading books and other texts. Students' writing develops as they regularly engage in the major phases of the writing process. Students learn to apply writing for different purposes and audiences. Students learn to master writing conventions through exposure to good models and opportunities for practice. Writing conventions include spelling, punctuation, grammar, and other conventions associated with forms of written text.

Honors English Language Arts 6

The Honors level classes will present more difficult reading material, will involve greater in-depth study, and will cover material at a quicker pace. Students will explain, analyze, and critique literary and informational texts to achieve deeper understanding. Students will learn to apply their writing skills in increasingly sophisticated ways.

Honors Criteria for Honors Language Arts 6

The Honors English/Reading classes are accelerated and performance-based. These classes are designed for students who desire challenge and who master material quickly. These classes provide ample opportunity for students who are ready for higher level thinking. Honors students in Language Arts should expect to encounter challenging reading assignments, write effectively, and be able to discuss intellectually both controversial and non-controversial ideas.

The Honors Program is part of an overall commitment to challenge all students to the highest degree of their abilities. Therefore, the students who participate in this program must demonstrate self-motivation, persistence, and the ability to work independently. Because of the course design, students can expect homework assignments each evening.

Students in Honors Language Arts may receive a semester grade of "A" (outstanding), "B" (satisfactory), or "C" (probationary). If a student earns a "D" or an "F" for the semester, that student should be placed in a less difficult level. Any student earning a quarter average of "C" or lower in Honors Language Arts will be placed on probation, and this will be communicated to the parent and student.

In order to qualify for enrollment in Honors English Language Arts, students must meet the grade requirement (current grade of 90% in ELA or Reading average for 3 quarters) and two of the three remaining criteria:

- ◆ Percentile score from most recent MAP assessment (90th percentile or better)
 - ◆ Goal Performance from most recent MAP assessment (HiAvg. or High in Literature, Informational Text, and Vocabulary Acquisition & Use)
 - ◆ Lexile Score 970-1120 on most recent MAP assessment
- OR, if a new student, most recent ITBS scores in LA (95%)

- ◆ Student qualities:
 - Is an avid reader who will choose a challenging book when given an option
 - Exhibits advanced reading comprehension skills
 - Masters new grammar skills with minimal repetition
 - Masters new vocabulary with minimal direction
 - Exhibits mastery of grade-level grammar (parts of speech, parts of a sentence, etc.)
 - Exhibits mastery of grade-level writing skills (punctuation, spelling, capitalization, sentence structure, paragraph structure, etc.)
 - Works quickly with minimal direction
 - Is organized and prepared for class
 - Exhibits strong study skills and habits
 - Is self-motivated and exhibits a positive attitude about projects and assignments
 - Completes assignments on time under challenging deadlines
 - Manages time well, stays focused on tasks, and uses class time wisely
 - Demonstrates accountability in completing make-up work when absent
 - Produces products of quality beyond typical peers
 - Works well with others on group assignments (i.e.: contributes, stays on-task most of the time, completes work within time-limits)
 - Enjoys a challenge and appreciates opportunities to exhibit higher level thinking
 - Has little to no missing assignments or late work for the year
- ◆ The teachers in these classrooms:
 - Do not re-teach items from past curriculum, but may review them
 - Provide opportunities for students to hone previously taught skills
 - Facilitate forums for higher-level discussion
 - Expect that students can and will learn rote information independently
 - Function continually at the challenge level

Math 6

Sixth grade math includes an extensive measurement unit that focuses on the student's ability to determine the difference between surface area and volume, to understand the relationship between area and perimeter, to develop formulas for circumference and area of circles, and to recognize which measure best solves a given problem. In geometry, students classify, describe, and draw two-dimensional and three-dimensional figures, identify and define relationships between planes, and complete transformations. For data analysis, students determine the appropriate graphical representation, compare different graphical representations, identify and utilize the measures of center for the data, describe the frequency distribution of the data, and make inferences from the data. The emphasis of the number theory component is that students must be able to create models and to explain the thinking behind a procedure. Algorithms for decimals and fractions are developed, practiced, and analyzed as well as estimation strategies. Models or visual representations for multiplication and division of decimals and fractions are created to justify solutions. Percents, ratios, and proportions are visually represented and used in problem situations. Students utilize factors, multiples, prime factorization, exponents, and order of operations. Also, a variety of methods are used to represent and analyze patterns, to solve simple linear equations, to evaluate simple expressions, and to identify and compare constant rates of change.

Honors Math 6

The Honors Math 6 classes are an accelerated and performance-based class. These classes are designed for students who desire a challenge, who master material quickly, and can compute and think critically to solve application problems. These classes provide ample opportunity for students who are ready for higher level thinking. Honors students in math should expect to encounter an increased rigor of their workload along with challenging assignments.

The Honors Program is part of an overall commitment to challenge all students to the highest degree of their ability. Therefore, the students who participate in this program must demonstrate self-motivation, persistence, and the ability to work independently and in a group successfully. Because of the overall course design, students can expect homework assignments each evening.

Placement in Honors Math 6 is based on the following criteria:

- ◆ 80% or higher on most recent MAP score or 235 RIT or higher
- ◆ 85% or greater average of 3 quarters in Math in the current school year
- ◆ Teacher recommendation
- ◆ Student qualities:
 - Demonstrates a strong understanding of number sense
 - Exhibits advanced math comprehension skills
 - Masters new math skills with minimal repetition
 - Masters new vocabulary with minimal direction
 - Exhibits mastery of grade-level content
 - Exhibits mastery of grade-level computation skills (math fact mastery +, -, x, /)
 - Works quickly with minimal direction
 - Is organized and prepared for class
 - Exhibits strong study skills and habits
 - Is self-motivated and exhibits a positive attitude about projects and assignments
 - Completes assignments on time under challenging deadlines
 - Manages time well, stays focused on tasks, and uses class time wisely
 - Demonstrates accountability in completing make-up work when absent
 - Produces products of quality beyond typical peers
 - Works well with others on group assignments (i.e.: contributes, stays on-task most of the time, completes work within time-limits)
 - Enjoys a challenge and appreciates opportunities to exhibit higher level thinking
 - Has little to no missing assignments or late work for the year
- ◆ The teachers in these classrooms:
 - Do not re-teach items from past curriculum, but may review them
 - Provide opportunities for students to hone previously taught skills
 - Facilitate forums for higher-level discussion
 - Expect that students can and will learn rote information independently
 - Function continually at the challenge level

Science/Health 6

Students in grade six continue to conduct investigations and begin to apply mathematical skills in evaluating and analyzing variables of data. They identify basic skills of the scientific inquiry process, such as how thinking scientifically is helpful in daily life and how technological advances affect the quality of life. Sixth grade students identify rocks, their distinct properties, and formation and characteristic properties of the minerals that form them. They learn to recognize that a cell continually divides to create new cells, reproduction of cells occurs, similar cells have special functions, and characteristics of an organism are a result of inherited traits. Students acquire knowledge of the uses, properties, and chemical processes of the small particles that compose matter. They learn the renewable and nonrenewable sources of energy as part of the grade six indicators. Health in sixth grade includes human growth and development with an overview of body systems, and the interdependence of the body systems.

Social Studies 6

The sixth grade year focuses on the study of world regions. The concentration is geographic rather than historic. Students study some of the earliest people who lived in each region in order to understand how humans interacted with the environmental conditions at that time. Connections are made to present-day world regions including characteristics of government and economic interactions.

Strategies for Success 6

In this class, students will complete e-Spark assignments on iPads (3 or more days per week), receive mini lessons on organization, study skills, and time management. They will have some study hall time to work on homework and to study for tests.

Encore Courses

2-D Visual Art Design 6

This course focuses on developing an understanding and exploration of the elements and principles of art as students build their skills while working two-dimensionally. Hands-on projects include: drawing, painting, collage, and/or printmaking.

3-D Visual Art Design Course 6

This course is intended to engage students with their physical space as they explore the elements and principles of art in an integrative way. Hands-on projects include figurative or nonfigurative sculpture, ceramics, fused glass, and/or plaster.

Band 6

Band 6 is for beginning band students. All students will try the various instruments to determine what each will play. Most students will rent instruments. There will be a limited number of school instruments available, such as French horns, oboes, and tubas. This is a graded course and attendance at performances is required. Students must buy their beginning band book.

Career Exploration

Students will explore their interests and aptitudes and discover some of the many careers to apply those interests and aptitudes. They will learn as they research careers that interest them. They will have the opportunity to learn from members of our community who come in to make presentations.

Choir 6

This is a beginning level choir designed to introduce both male and female students to music reading skills, beginning vocal techniques, and elements of music. Students are exposed to a comprehensive range of choral music from classical to “modern” music. This is a graded course and attendance at concert events is required. At the directors’ discretion, the group may be required to participate in the District XII OMEA-sponsored event in the spring and field trip performances for community events

Digital Media and Technology Integration 6

This course provides instruction and application of select mobile technology apps. This project-based course will include iOS skills application in Garage Band, Keynote, Pages, iPhoto, iMovie, as well as general multimedia productions.

Exploratory Foreign Language 6

Bonjour! Hola! Guten Tag! Are you interested in learning a new language, but not sure which one is for you? Would you like to learn about cultures, holidays, and traditions from the French, Spanish, or German speaking world? Sign up for this class and get a taste of a foreign language through games, pictures, music, activities and other incentives that teach the basics about these cultures so you can decide which one you want to take in high school All of this while having fun! This class is graded Pass/Fail.

Fitness for Life 6

This class is designed to give students the opportunity to learn fitness concepts and conditioning techniques used for obtaining optimal physical fitness. Students will benefit from circuit workouts using body weight resistance, cardio-respiratory endurance activities, and fitness oriented games. Students will learn the basic principles of strength and aerobic training, and overall fitness training and conditioning. Course includes both lecture and activity sessions. Students will be empowered to make wise choices, meet challenges, and develop positive behaviors in fitness, wellness, and total health for a lifetime. Students will gain knowledge and competency in motor skills, movement patterns, and strategies needed to perform a variety of physical activities.

Introduction Design Thinking 6

This course investigates the world of product and service design. Students will receive instruction in using the Design Thinking process to provide solutions to real-world problems. Students will learn to define and respond to specific user needs, and then collaboratively design solutions that are user-centered. Students will develop skills of visual, oral, and written communication, creative problem solving, and collaboration. This course has an emphasis on collaborative brainstorming and idea generation.

PE 6

The sixth grade physical education curriculum is based on three program objectives: total fitness; fundamental motor skills and movement; lifetime sport and leisure skills.

Technological Literacy 6

This course will provide general instruction and project applications for common technology tools. Lessons will focus on ethics and online safety, computer fundamentals, web browsing, email and online communications, word processing, spreadsheets, and presentation software, multimedia

tools, databases, and HTML coding and tags. This course will also include prescriptive keyboarding instruction and practice.

Seventh Grade

Seventh grade students take the following core subjects:

- ◆ English Language Arts
- ◆ Math
- ◆ Science
- ◆ Social Studies
- ◆ Strategies for Success

ALL students will choose options from the following Encore courses:

- ◆ 2-D Visual Art Design (nine weeks)
- ◆ 3-D Visual Art Design (nine weeks)
- ◆ Band (full year)
- ◆ Career Explorations(nine weeks)
- ◆ Choir (full year)
- ◆ Digital Media and Technology Integration (nine weeks)
- ◆ Exploratory Foreign Language (nine weeks)
- ◆ Fitness (nine weeks)
- ◆ Introduction to Design Thinking 7 (nine weeks)
- ◆ PE (nine weeks)
- ◆ Technological Literacy (nine weeks)



Seventh Grade Core Classes

English Language Arts 7

Language Arts for the seventh grade include reading, English, spelling, and vocabulary. Students develop and learn to apply strategies that help them comprehend and interpret informational and literary texts. Students acquire vocabulary through exposure to language-rich situations, such as reading books and other texts. Students' writing develops as they regularly engage in the major phases of the writing process. Students learn to apply writing for different purposes and audiences. Students learn to master writing conventions through exposure to good models and opportunities for practice. Writing conventions include spelling, punctuation, grammar, and other conventions associated with forms of written text.

Honors English Language Arts 7

The Honors level classes will present more difficult reading material, will involve greater in-depth study, and will cover material at a quicker pace. Students will explain, analyze, and critique literary and informational texts to achieve deeper understanding. Students will learn to apply writing skills in increasingly sophisticated ways.

Honors Criteria for Honors Language Arts 7

The Honors English/Reading classes are accelerated and performance-based. These classes are designed for students who desire challenge and who master material quickly. These classes provide ample opportunity for students who are ready for higher level thinking. Honors students in Language Arts should expect to encounter challenging reading assignments, write effectively, and be able to discuss intellectually both controversial and non-controversial ideas.

The Honors Program is a part of an overall commitment to challenge all students to the highest degree of their ability. Therefore, the students who participate in this program must demonstrate self-motivation, persistence, and the ability to work independently. Because of the course design, students can expect homework assignments each evening.

Students in Honors Language Arts may receive a semester grade of "A" (outstanding), "B" (satisfactory), or "C" (probationary). If a student earns a "D" or an "F" for the semester, that student should be placed in a less difficult level. Any student earning a quarter average of "C" or lower in Honors Language Arts will be placed on probation, and this will be communicated to the parent and student.

In order to qualify for enrollment in Honors English Language Arts, students must meet the grade requirement (current grades of 95% in ELA or 85% in Honors ELA average for 3 quarters) and three of the four remaining criteria:

- ◆ Percentile score from most recent MAP assessment (90th percentile or better)
 - ◆ Goal Performance from most recent MAP assessment (HiAvg. or High in Literature, Informational Text, and Vocabulary Acquisition & Use)
 - ◆ Lexile Score 1010-1185 on most recent MAP assessment
- OR, if a new student, most recent ITBS scores in LA (95%)

- ◆ Student qualities:
 - Is an avid reader who will choose a challenging book when given an option
 - Exhibits advanced reading comprehension skills
 - Masters new grammar skills with minimal repetition
 - Masters new vocabulary with minimal direction
 - Exhibits mastery of grade-level grammar (parts of speech or a sentence, etc.)
 - Exhibits mastery of grade-level writing skills (punctuation, spelling, capitalization, sentence structure, paragraph structure, etc.)
 - Works quickly with minimal direction
 - Is organized and prepared for class
 - Exhibits strong study skills and habits
 - Is self-motivated and exhibits a positive attitude about projects and assignments
 - Completes assignments on time under challenging deadlines
 - Manages time well, stays focused on tasks, and uses class time wisely.
 - Demonstrates accountability in completing make-up work when absent
 - Produces products of quality beyond typical peers
 - Works well with others on group assignments (i.e.: contributes, stays on-task most of the time, completes work within time-limits)
 - Enjoys a challenge and appreciates opportunities to exhibit higher level thinking
 - Has little to no missing assignments or late work for the year
 - ◆ The teachers in these classrooms:
 - Do not re-teach items from past curriculum, but may review them
 - Provide opportunities for students to hone previously taught skills
 - Facilitate forums for higher-level discussion
 - Expect that students can and will learn rote information independently
 - Function continually at the challenge level

Math 7

Math 7 is a seventh grade mathematics course designed for students who need more time and guidance in learning arithmetic concepts. Pre-algebra and geometry concepts are emphasized, along with problem-solving skills. Topics covered include fractions, decimals, number theory, ratio, proportion, percents, percent applications, geometry, integers, algebra, probability, and statistics. Most students will be placed in Math 8 from this class. Students who are highly successful in Math 7 may be recommended for Pre-Algebra 8. Placement is by teacher recommendation.

Pre-Algebra 7

Emphasis is placed on the development of algebraic concepts, along with problem-solving and critical thinking skills. Topics are covered in more depth and at a faster pace than in Math 7. Topics covered include fractions, decimals, number theory, ratio, proportion, percent, percent applications, geometry, integers, algebra, probability, statistics, rational numbers, and real numbers. Students who maintain an A or B average in Pre-Algebra 7 may be recommended for Pre-Algebra 8 or Algebra 1.

Placement in the Pre-Algebra 7 Program is based on the following criteria:

- ◆ Minimum 75% in Honors 6 or 85% in Math 6 (average of 3 quarters)
- ◆ At least 45th percentile on most recent MAP or 225 RIT
- ◆ Avg or above in all categories

- ◆ Teacher recommendation
- ◆ Student qualities:
 - Has an advanced math level
 - Masters skills with little repetition
 - Is organized and exhibits strong study skills
 - Is self-motivated
 - Completes assignments on time
 - Uses time wisely
 - Demonstrates accountability in completing make-up work
 - Enjoys a challenge
 - ◆ The teachers in these classrooms:
 - Do not re-teach items from past curriculum, but may review them
 - Provide opportunities for students to hone previously taught skills
 - Facilitate forums for higher-level discussion
 - Expect that students can and will learn rote information independently
 - Function continually at the challenge level

Honors Pre-Algebra 7

Honors Pre-Algebra 7 is designed for students of exceptional mathematics ability and achievement. It is a rigorous pre-algebra course, which extends arithmetic, algebra, and geometry skills, and places emphasis on the development of critical thinking, algebraic thinking, and problem-solving abilities. Topics covered include rational numbers, exponents, geometry, solving equations, solving word problems algebraically, graphing, ratio, proportion, percent, probability, real numbers, applying algebra to geometry, and statistics. Students who maintain an A or B average in Honors Pre-Algebra 7 may be recommended for Honors Algebra 1. Students not maintaining an A or B average may be recommended for Algebra 1.

Students in the Honors Program may receive a semester grade of “A” (outstanding), “B” (satisfactory), or “C” (probationary). If a student earns a “D” or an “F” for the semester, that student should be placed in a less difficult level. Any student earning a quarter average of “C” or lower in Honors or Enriched courses will be placed on probation, and this will be communicated to the parent and student.

Placement in the Honors Pre-Algebra 7 Program is based on the following criteria:

- ◆ Minimum 80% in Honors 6 or 95% in Math 6 (average of 3 quarters)
- ◆ At least 80th percentile on most recent MAP or 239 RIT
- ◆ High or HiAvg in all categories
- ◆ Teacher recommendation
- ◆ Student qualities:
 - Has an advanced math level
 - Masters skills with little repetition
 - Is organized and exhibits strong study skills
 - Is self-motivated
 - Completes assignments on time
 - Uses time wisely
 - Demonstrates accountability in completing make-up work
 - Enjoys a challenge
 - ◆ The teachers in these classrooms:

- Do not re-teach items from past curriculum, but may review them
- Provide opportunities for students to hone previously taught skills
- Facilitate forums for higher-level discussion
- Expect that students can and will learn rote information independently
- Function continually at the challenge level

Science 7

Students learn to describe interactions of matter and energy throughout the hydrosphere and atmosphere. They continue to develop skills of scientific inquiry, explain how matter can change forms, and describe how energy is potential or kinetic and takes many forms. Students apply math skills to evaluate and analyze variables and data from investigations as they draw conclusions from scientific evidence. Seventh grade students are able to recognize that technology can create environmental and economic conflicts, affect the quality of life, and that science and technology cannot answer all questions and cannot solve all human problems. Students access knowledge to explain how energy entering the ecosystems, such as sunlight, supports the life of organisms through photosynthesis and the transfer of energy through the interactions of organisms and the environment.

Social Studies 7

In the seventh grade, students begin the four-year historical sequence with a study of the ancient world. This study incorporates each of the seven standards into the chronology. Students learn that each historic event is shaped by its geographic setting, culture of the people, economic conditions, governmental decisions, and citizen action. Students also expand their command of social studies skills and methods.

Strategies for Success 7

In this class, students will complete e-Spark assignments on iPads (3 or more days per week), receive mini lessons on organization, study skills, and time management. They will also be given time to work on homework and study for tests.

Encore Courses

2-D Visual Art Design Course 7

This course focuses on developing an understanding and exploration of the elements and principles of art as students build their skills while working two-dimensionally. Hands-on projects include: drawing, painting, collage, and/or printmaking.

3-D Visual Art Design Course 7

This course is intended to engage students with their physical space as they explore the elements and principles of art in an integrative way. Hands-on projects include figurative or nonfigurative sculpture, ceramics, fused glass, and/or plaster.

Band 7

The purpose of band is to give students a well-rounded musical outlook of good symphonic music, marches, and popular music. Music is hard work, but the enjoyment received makes one appreciate what he/she and his/her classmates have accomplished together. This is a graded course and attendance at performances is required. Students must buy a band book.

Beginning Design Thinking 7

We have an amazing new Design Lab that provides an array of opportunities to identify and find solutions for real life problems. This 9 week class will give you the opportunity to be creative and help solve some real issues in your school.

Career Exploration

Students will explore their interests and aptitudes and discover some of the many careers to apply those interests and aptitudes. They will learn as they research careers that interest them. They will have the opportunity to learn from members of our community who come in to make presentations.

Choir 7

This is an intermediate level choir designed to introduce both male and female students to music reading skills, beginning vocal techniques and elements of music. Students are exposed to a comprehensive range of choral music from classical to “modern” music. This is a graded course and attendance at concert events is required. At the directors’ discretion, the group may be required to participate in the District XII OMEA-sponsored events in the spring and field trip performances for community events. Students in this group have the option to sing or play solos at the OMEA contest.

Digital Media and Technology Integration 7

This course provides instruction and application of select mobile technology apps. This project-based course will include iOS skills application in Garage Band, Keynote, Pages, iPhoto, iMovie, as well as general multimedia productions.

Exploratory Foreign Language 7

Bonjour! Hola! Guten Tag! Are you interested in learning a new language, but not sure which one is for you? Would you like to learn about the languages of French, Spanish, and German? Sign up for this class and explore these foreign languages through games, pictures, music, activities and other activities that teach the basics about these languages so you can decide which one you want to take in high school. All of this while having fun! This class is graded Pass/Fail.

Fitness for Life 7

This class is designed to give students the opportunity to learn fitness concepts and conditioning techniques used for obtaining optimal physical fitness. Students will benefit from beginning weight training and advanced cardio-respiratory endurance activities. Students will learn the basic fundamentals of strength training, aerobic training, and overall fitness training and conditioning. This course includes both lecture and activity sessions. Students will be empowered to make wise choices in regards to drugs alcohol and tobacco, meet challenges, and develop attainable goals, which will enhance positive behaviors in fitness, total body wellness, and movement activity for a lifetime.

Introduction to Design Thinking 7

This course investigates the world of product and service design. Students will receive instruction in using the Design Thinking process to provide solutions to real-world problems. Students will learn to exercise empathy to define and respond to specific user needs, and then collaboratively design solutions that are user-centered. Students will develop skills of visual, oral, and written communication, creative problem solving, and collaboration. This course has an emphasis on the development 21st century communication skills.

PE 7

Physical Education prepares the student for total fitness and requires him/her to participate in sports and recreational activities that will improve his/her personal fitness levels of strength, flexibility, and endurance).

Technological Literacy 7

This course will provide general instruction and project applications for common technology tools. Lessons will focus on ethics and online safety, computer fundamentals, web browsing, email and

online communications, word processing, spreadsheets, and presentation software, multimedia tools, databases, and HTML coding and tags. This course will also include prescriptive keyboarding instruction and practice.

Eighth Grade

Eighth grade students take the following core subjects:

- ◆ English Language Arts
- ◆ Math
- ◆ Science
- ◆ Social Studies
- ◆ Strategies for Success

Eighth grade students may take a foreign language as a yearlong elective.

- ◆ French
- ◆ German (held at the high school)
- ◆ Spanish

ALL students will choose options from the following Encore courses:

- ◆ 2-D Visual Art Design (nine weeks)
- ◆ Band (full year)
- ◆ Career Exploration (nine weeks)
- ◆ Choir (full year)
- ◆ Digital Media and Technology Integration (nine weeks)
- ◆ Exploratory Foreign Language (nine weeks) *depends on staffing
- ◆ Fitness (nine weeks)
- ◆ Introduction to Design Thinking 8 (nine weeks)
- ◆ PE (nine weeks)
- ◆ Technological Literacy (nine weeks)

Grade Eight Core Classes

English Language Arts 8

Language Arts for eighth grade includes reading, English, spelling, and vocabulary. Students apply reading comprehension strategies to understand informational and literary texts. Students demonstrate comprehension of print by responding to questions (e.g., literal, inferential, evaluative, and synthesizing). Students acquire vocabulary through exposure to language-rich situations, such as reading books and other texts. Students' writing develops as they regularly engage in the major phases of the writing process. Students learn to apply their writing for different purposes and audiences. Students learn to master writing conventions through exposure to good models and opportunities for practice. Writing conventions include spelling, punctuation, grammar, and other conventions associated with forms of written text.

Honors English Language Art 8

The Honors level class will present more difficult reading material, will involve greater in-depth study, and will cover material at a quicker pace. Students will explain, analyze, and critique literary and informational texts to achieve deeper understanding. Students will learn to apply their writing skills in increasingly sophisticated ways.

Honors Criteria for Honors English Language Arts 8

The Honors English classes are accelerated and performance-based. These classes are designed for students who desire challenge and who master material quickly. These classes provide ample opportunity for students who are ready for higher level thinking. Honors students in Language Arts should expect to encounter challenging reading assignments, write effectively, and be able to discuss intellectually both controversial and non-controversial ideas.

The Honors Program is a part of an overall commitment to challenge all students to the highest degree of their ability. Therefore, the students who participate in this program must demonstrate self-motivation, persistence, and the ability to work independently. Because of the course design, students can expect homework assignments each evening.

Students in Honors Language Arts may receive a semester grade of "A" (outstanding), "B" (satisfactory), or "C" (probationary). If a student earns a "D" or an "F" for the semester, that student should be placed in a less difficult level. Any student earning a quarter average of "C" or lower in Honors Language Arts will be placed on probation, and this will be communicated to the parent and student.

In order to qualify for enrollment in **Honors English Language Arts**, students must meet the grade requirement (current grades of 95% in ELA or 85% in Honors ELA) and three of the four remaining criteria:

- ◆ Percentile score from most recent MAP assessment (90th percentile or better)
 - ◆ Goal Performance from most recent MAP assessment (HiAvg. or High in all categories)
 - ◆ Lexile Score 1050-1260 on most recent MAP assessment
- OR, if a new student, most recent ITBS scores in LA (95%)

- ◆ Student qualities:
 - Is an avid reader who will choose a challenging book when given an option
 - Exhibits advanced reading comprehension skills
 - Masters new grammar skills with minimal repetition
 - Masters new vocabulary with minimal direction
 - Exhibits mastery of grade-level grammar (parts of speech, parts of a sentence, etc.)
 - Exhibits mastery of grade-level writing skills (punctuation, spelling, capitalization, sentence structure, paragraph structure, etc.)
 - Works quickly with minimal direction
 - Is organized and prepared for class
 - Exhibits strong study skills and habits
 - Is self-motivated and exhibits a positive attitude about projects and assignments
 - Completes assignments on time under challenging deadlines
 - Manages time well, stays focused on tasks, and uses class time wisely.
 - Demonstrates accountability in completing make-up work when absent
 - Produces products of quality beyond typical peers
 - Works well with others on group assignments (i.e.: contributes, stays on-task most of the time, completes work within time-limits)
 - Enjoys a challenge and appreciates opportunities to exhibit higher level thinking
 - Has little to no missing assignments or late work for the year
- ◆ The teachers in these classrooms:
 - Do not re-teach items from past curriculum, but may review them
 - Provide opportunities for students to hone previously taught skills
 - Facilitate forums for higher-level discussion
 - Expect that students can and will learn rote information independently
 - Function continually at the challenge level

The Honors level classes will present more difficult reading material, will involve greater in-depth study, and will cover material at a quicker pace. Students will explain, analyze, and critique literary and informational texts to achieve deeper understanding. Students will learn to apply their writing skills in increasingly sophisticated ways.

Math 8

Math 8 is a pre-algebra course designed for students who need more time and guidance in learning pre-algebra concepts. Topics covered include rational numbers, exponents, scientific notation, geometry, linear equations, graphing, ratio, proportion, percent, probability, functions, and statistics. Students will develop problem solving skills and apply them in problem solving situations. Placement is by teacher recommendation.

Pre-Algebra 8

Pre-Algebra 8 extends arithmetic, algebra, and geometry skills, and places emphasis on the development of critical thinking and problem-solving abilities. Topics covered include rational numbers, exponents, radicals, scientific notation, geometry, linear equations, solving word problems algebraically, graphing, ratio, proportion, percent, functions, probability, and statistics. Pre-Algebra 8 students will take Algebra 1 in ninth grade.

Algebra 1

This course provides mastery of algebra skills including operations with real number simplifying algebraic expressions, solving linear equations and inequalities, solving quadratic equations, solving system of linear equations, exponents, simplifying radicals operating with polynomials, and factoring polynomials.

Students will receive high school credit for successful completion of Algebra 1 and the grade contributes to their high school grade point average. Those students completing four quarters, receiving an "A" each semester, will receive scholarship credit.

Placement in the Algebra 1 Program is based on the following criteria:

- ◆ At least 85% Pre-Algebra7 or 75% in Honors Pre-Algebra 7 (average of 3 quarters)
- ◆ 75th percentile or higher on latest MAP or 241 RIT
 - High or HiAvg in 2 or 4 categories with no LoAvg or Low scores
- ◆ Successful completion of summer work project
- ◆ Teacher recommendation
- ◆ Student qualities:
 - Has an advanced math level
 - Masters skills with little repetition
 - Is organized and exhibits strong study skills
 - Is self-motivated
 - Completes assignments on time
 - Uses time wisely
 - Demonstrates accountability in completing make-up work
 - Enjoys a challenge
- ◆ The teachers in these classrooms:
 - Do not re-teach items from past curriculum, but may review them
 - Provide opportunities for students to hone previously taught skills
 - Facilitate forums for higher-level discussion
 - Expect that students can and will learn rote information independently
 - Function continually at the challenge level

Honors Algebra 1

Honors Algebra 1 is a rigorous, advanced, and accredited high school course which includes and extends traditional algebraic concepts with an emphasis on problem solving and theory. Topics covered include linear equations, systems of equations, quadratic equations, factoring, algebraic fractions, radicals, radical equations, exponential equations, analysis of graphs and functions. Emphasis is given to applying and solving word problems algebraically. **Students will receive honors credit and the grade will be calculated into their high school grade point average.**

Students who maintain "A" or "B" averages may be recommended for Honors Geometry. Students who remain in the Honors Program will have the opportunity to enroll in Advanced Placement Calculus as seniors.

Students in the Honors Program may receive a semester grade of "A" (outstanding), "B" (satisfactory), or "C" (probationary). If a student earns a "D" or an "F" for the semester, that student should be placed in a less difficult level. Any student earning a quarter average of "C" or

lower in Honors courses will be placed on probation and this will be communicated to the parent and student.

Placement in the Honors Algebra 1 Program is based on the following criteria:

- ◆ At least 95% in Enriched Math 7 or 85% in Honors Math 7 (average of 3 quarters)
- ◆ 85th percentile or higher on latest MAP or 241 RIT
 - High or HiAvg in all categories
- ◆ Successful completion of summer work project
- ◆ Teacher recommendation
- ◆ Student qualities:
 - Has an advanced math level
 - Masters skills with little repetition
 - Organized and exhibits strong study skills
 - Is self-motivated
 - Completes assignments on time
 - Uses time wisely
 - Demonstrates accountability in completing make-up work
 - Enjoys a challenge
 - Do not re-teach items from past curriculum, but may review them
 - Provide opportunities for students to hone previously taught skills
 - Facilitate forums for higher-level discussion
 - Expect that students can and will learn rote information independently
 - Function continually at the challenge level
 - ◆ The teachers in these classrooms:
 - Do not re-teach items from past curriculum, but may review them
 - Provide opportunities for students to hone previously taught skills
 - Facilitate forums for higher-level discussion
 - Expect that students can and will learn rote information independently
 - Function continually at the challenge level

Geometry

Prerequisite: Algebra 1

Geometry is the branch of mathematics concerned with the measurements and relations of planar figures (segments, lines, angles, polygons, circles) and solids (rectangular solids, pyramids, cylinders, cones, spheres). The content also includes the development of deductive reasoning and an introduction to basic trigonometry. Students should expect homework every night in this course. A scientific calculator is recommended for this course. **Students will receive high school credit for successful completion of Geometry and the grade contributes to their high school grade point average.**

Scholarship Geometry

Prerequisite: "A" in Algebra 1

Scholarship Geometry is offered to any student who desires to take a course of broader scope than of the General Geometry offering. The first semester will emphasize writing proofs while the second semester will emphasize computational processes. This course will consist of the study of elements of geometry, angles, perpendicular lines, parallel lines and planes, congruent triangles, similar polygons, right triangles, circles, areas and volume and coordinate geometry. A scientific

calculator is required for this course. Students should expect at least ½ hour of homework each night. **Students will receive high school credit for successful completion of Geometry and the grade contributes to their high school grade point average.**

Honors Geometry

Prerequisite: "B" or better in Honors Algebra 1

The course will consist of the study of elements of geometry, angles, perpendicular lines, parallel lines and planes, congruent triangles, similar polygons, right triangles, circles, areas, volumes, and coordinate geometry. The first semester will emphasize writing proofs while the second semester will emphasize computational process. A scientific calculator is recommended for this course. Students should expect at least ½ hour of homework each night. **Students will receive high school credit for successful completion of Geometry and the grade contributes to their high school grade point average.**

Science 8

Students in the eighth grade explore space and plate tectonics as they continue to draw conclusions from scientific evidence that support theories related to the change of Earth's surface. They acquire knowledge to describe how positions and motions of objects in the universe cause predictable and cyclic events. Students explain that the universe is composed of vast amounts of matter and that it is held together by gravitational force. They explore equipment to study the universe – telescopes, probes, satellites, and spacecraft. Motion of objects, effects of forces on objects, and how waves (sound, water, and earthquake) transfer energy are explored. Students will be able to explain how extinction of a species occurs when the environment changes and its adaptive characteristics are insufficient to allow survival. Students design a solution to a problem or design and build a product, given certain constraints. Technological influences on the quality of life are also explored in this grade level.

Social Studies 8

The historical sequence continues in the eighth grade with an in-depth study of the early years of our country. This study incorporates each of the seven standards into the chronology. While students are studying a particular historic event in the United States, they also look at its geographic settings, economic implications, developments in government, and the role of citizens.

French I

This course offers the student the opportunity to learn the fundamentals of French through reading, writing, listening, and speaking. The student will become familiar with French customs, geography, and civilization. This course supplies all of the grammatical content necessary for the study of French II.

German I

This course prepares the student with basic German vocabulary, grammar, and customs through the four foreign language proficiency areas of reading, writing, listening, and speaking. Students will participate in cultural and role-playing activities, conversations, and projects to practice fluency and comprehension and make use of authentic texts, videos, music, and other materials to supplement learning.

Spanish I

This course is designated for the student who is beginning to study Spanish. A study of the fundamentals of Spanish will be presented through memorization of vocabulary, oral drill, idiomatic usage, cultural enrichment about Hispanic countries, and grammatical concepts with practice in pronunciation, reading, writing, and listening.

Guidelines for Foreign Language

Students who take a foreign language course will earn one credit toward high school graduation. **The grade will be calculated into their high school grade point average.** A student may drop the course during the first two weeks of the school year. However, after the first two weeks of the school year, a student must wait until the end of the nine weeks to drop a class that receives BHS credit. If a student withdraws at the first semester, a "W/F" or "W/P" will appear on their high school transcript. No student may drop the course after the first semester. If your child fails the class, the "F" will appear on their transcript permanently. If the student retakes the class, both courses/grades remain on the transcript and are figured into the GPA. Keep in mind that your child can begin taking a foreign language course when in high school.

Students of foreign language will learn to initiate and sustain spoken and written communication and will read to comprehend the main ideas and significant details in a variety of age-appropriate authentic texts written in the target language. Students will gain an understanding of other cultures, reinforce and expand their knowledge across disciplines, and develop insights into the nature of language and culture through comparisons of target cultural practices and their own. Students will also experience multilingual communities and cultures within the larger Dayton area.

Strategies for Success 8

In this class, students will complete e-Spark assignments on their iPads (3 or more days per week), receive mini lessons on organization, study skills, and time management. They will be given time to work on homework and to study for tests.

Encore Classes

2-D Visual Art Design Course 8

This course focuses on developing an understanding and exploration of the elements and principles of art as students build their skills while working two-dimensionally. Hands-on projects include: drawing, painting, collage, and/or printmaking.

Band 8

The purpose of band is to give the students a well-rounded musical outlook of good symphonic music, marches, and popular music. Music is hard work, but the enjoyment received makes one appreciate what he/she and his/her classmates have accomplished together. This is a graded course and attendance at performances is required. Students must purchase a band technique book.

Career Exploration

Students will explore their interests and aptitudes and discover some of the many careers to apply those interests and aptitudes. They will learn as they research careers that interest them. They will have the opportunity to learn from members of our community who come in to make presentations. 8th graders may have the opportunity to shadow a mentor.

Choir 8

This is an advanced level choir designed to introduce both male and female students to music reading skills, beginning vocal techniques, and elements of music. Students are exposed to a comprehensive range of choral music from classical to “modern” music. This is a graded course and attendance at concert events is required. At the directors’ discretion, the group may be required to participate in the District XII OMEA-sponsored events in the spring and field trip performances for community events. Students in this group have the option to sing or play solos at the OMEA contest.

Digital Media and Technology Integration 8

This course provides instruction and application of select mobile technology apps. This project-based course will include iOS skills application in Garage Band, Keynote, Pages, iPhoto, iMovie, as well as general multimedia productions.

Exploratory Foreign Language 8

Bonjour! Hola! Guten Tag! Are you interested in learning a new language, but not sure which one is for you? Would you like to learn about cultures, holidays, and traditions from the French and/or Spanish- speaking world? Sign up for this class and get a taste of a foreign language through games, pictures, music, activities and other incentives that teach basic introductory vocabulary and speaking skills... all while having fun! This class is graded Pass/Fail.

Fitness for Life 8

This course is designed to give students the opportunity to learn fitness concepts and conditioning techniques used for obtaining optimal physical fitness. Students will benefit from comprehensive weight training and cardio-respiratory endurance activities. Students will learn the basic fundamentals of strength training, aerobic training, and overall fitness training and conditioning. Course includes both lecture and activity sessions. Students will be empowered to make wise choices in regards to nutrition, and develop positive behaviors in fitness, wellness, and movement activity for a lifetime.

Introduction to Design Thinking 8:

This course provides instruction in using the Design Thinking process to uncover and implement ways to improve the school’s social spaces and academic environment. Students will learn to exercise empathy to define and respond to specific user needs, and then collaboratively design solutions that are user-centered. Students will develop skills of visual, oral, and written communication, creative problem solving, and collaboration.

PE 8

Physical Education prepares the student for total fitness and requires him/her to participate in sports and recreational activities that will improve his/her personal fitness levels of strength, flexibility, and endurance.

Technological Literacy 8

This course will provide general instruction and project applications for common technology tools. Lessons will focus on ethics and online safety, computer fundamentals, web browsing, email and online communications, word processing, spreadsheets, and presentation software, multimedia tools, databases, and HTML coding and tags. This course will also include prescriptive keyboarding instruction and practice.

MIDDLE SCHOOL ACTIVITIES

This is a basic overview of activities that may be offered in the middle school program. Activities may vary from year to year. Please contact the individual school for further information.

ATHLETICS

Inter Scholastic

Cheerleading: 7th and 8th only

Intramurals: 6th, 7th, 8th

Basketball

Flag Football

Floor Hockey

Frisbee Golf

Softball

Fall: 7th and 8th only

Cross Country

Football

Volleyball

Winter: 7th and 8th only

Basketball

Wrestling

Spring: 7th and 8th only

Baseball

Softball

Track

FINE ARTS - 6th, 7th, 8th

Art: 6th, 7th, 8th

District Art Show

Art Club

Music: 6th, 7th, 8th

*AMS Connection (Show Choir)

*CMS Guys & Dolls (Show Choir)

*AMS Jazz Band

*CMS Jazz Band

*OMEA Middle School Large Group Adjudicated

*OMEA Middle School Solo & Ensemble

ACADEMICS - 6th, 7th, 8th

Geography Bee

History Bee

Math Counts

Midwest Talent Search

National Science Olympiad

Power of the Pen

Science Club

Science/Invention Fair

Various Writing Competitions

OTHER ACTIVITIES - 6th, 7th, 8th

Drill Team

Muse Machine

Student Aide

Student Council

WEB

* must be enrolled in band or choir to be eligible