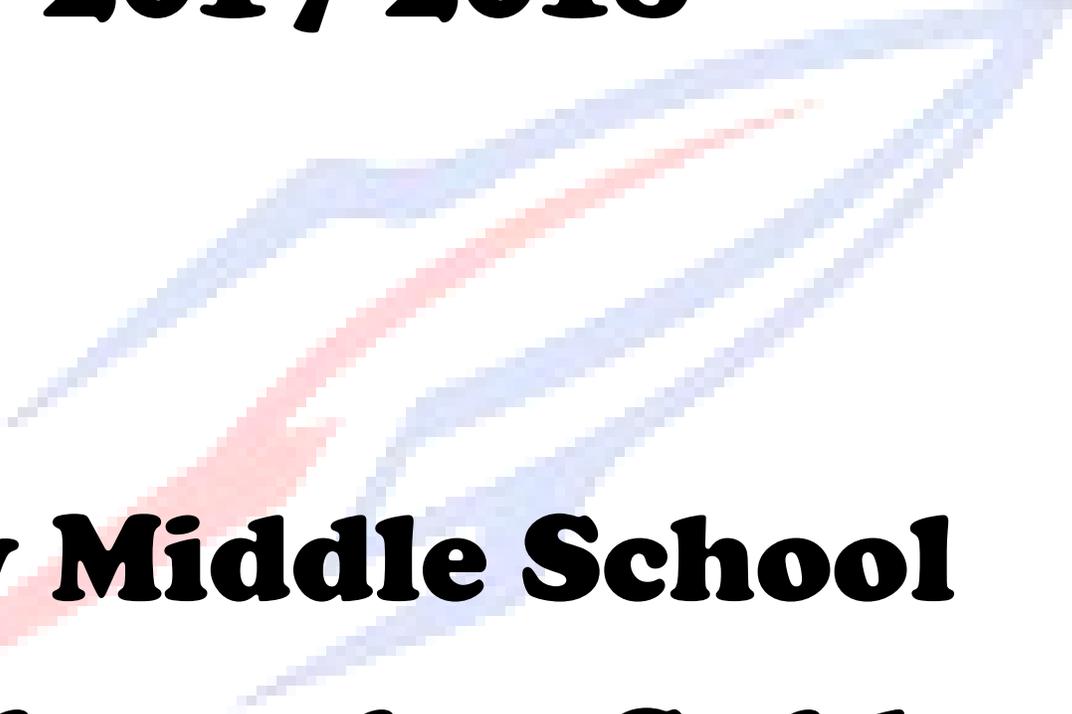


ROCKETS

2017-2018



Bay Middle School Registration Guide



Dear Student and Parents,

The registration process for the 2017-2018 school year has begun. This document can be a useful tool for you when planning your academic career here at Bay Middle School. A description of each of our course offerings is detailed within the pages of this Registration Guide. Classes offered to students at Bay Middle school vary for each grade; so please be mindful of which grade level course description you are looking at. While many of the courses students take at Bay Middle School are pre-determined significant choices still exist for both parents and students and promote education of the whole child.

Courses offered in the 8th grade (Foreign Language and Integrated Algebra/Geometry 1) now count for high school credit and will appear on the student's high school transcript. We also allow for students to now take both Introduction to French and Spanish in the 7th grade allowing for greater exposure to world languages and cultures. We are also excited to continue to offer courses that promote STEM education such as Auto Cad, Robotics and our STEM Club offered during the 5th grade year.

The College Credit Plus Program is now available to 6th – 8th grade. Information regarding this program can be found at the end of the registration guide. The College Credit Plus Meeting will take place on February 9, 2017 at 7:00 pm in the Bay High School cafeteria.

This guide can also be used to gain a better understanding of the course of study that your child will be following in the next academic school year. All of the courses here at Bay Middle School are based upon the State of Ohio Educational Standards and are aligned to meet the requirements of the Common Core. To learn more about these standards and the Common Core you can visit the Ohio Department of Education website at www.ode.state.oh.us.

If you have any questions regarding the registration process, please do not hesitate to contact your child's grade level guidance counselor. (Mrs. Pavicic grades 6 and 8 and Mrs. Machcinski grades 5 and 7) Good luck with your decisions!

Sincerely,

Sean P. McAndrews
Principal
Bay Middle School

Fifth Grade

Language Arts

Students will deepen their experience with literature and informational text. They will develop and use effective strategies as readers and will show understanding for the selections they read. Students will also speak and listen for a variety of purposes and audiences. Additionally, students will demonstrate their understanding of the writing process through prewriting, drafting, revising of ideas and editing for mechanics, publication and presentation.

Science

Students will learn scientific inquiry using hands-on opportunities to create solutions to a variety of problems, in the areas of Earth and Space, Physical and Life Sciences. In Earth and Space, science instruction will focus on the characteristics, cycles and patterns in the solar system. In Life Science, instruction will focus on the structures and functions of ecosystems. In Physical Science, instruction will focus on the forces that affect motion and forms of energy (Light and Sound). In Health, the students will explore healthy life choices.

Math

Students will study the five Common Core State Standards for 5th grade math. Those standards are: Operations and Algebraic Thinking, Numbers and Operations in Base Ten, Numbers and Operations in Fractions, Measurement and Data and Geometry. The Big Idea, Essential Questions, Learning Targets and 8 Mathematical Practices will support the students through each standard. Emphasis is placed on developing fluency in these areas, problem solving and making real life connections in mathematics.

Social Studies

Students will study North and South America and its regions. Students will focus on each region's geography, culture, history, government, economics and major events through the use of timelines, research, their text, trade books and other available resources.

Art (18 Weeks)

Students will use a variety of materials to create two and three dimensional art projects designed to give them a better foundation in color theory and the elements and principles of design. Each project will exercise students' critical and creative thinking and problem solving skills and are linked to Social Studies, Language Arts, Math and Science. Projects may include ceramics, drawing, sculpture, fiber arts, collage and painting. Students will meet for art every other day for one semester.

Physical Education (18 Weeks)

Students will have class every other day for one semester. Some games/sports will be progressions of things they did at the elementary school and some will be completely new that are more age appropriate for the middle school. Students will begin to use their skills to compete in both cooperative and competitive situations. They will be required to participate in daily fitness activities and will take fitness tests both at the beginning and end of the semester (PACER running test, push-ups, crunches, and flexibility).

Language Exploration

Students will explore the basic fundamentals of Spanish language and Hispanic culture. They will practice speaking,

listening, writing and reading in the target language. 5th grade will meet twice a week for nine weeks for a total of 18 classes.

Technology (9 Weeks)

Students will be introduced to computers in a daily, nine week course. The class will develop proper keyboarding techniques and will introduce the fundamentals of the Windows OS and Microsoft software applications such as Word, Excel, PowerPoint, and Internet Explorer.

Family & Consumer Science (4.5 Weeks)

Students will not only develop life skills essential for today and tomorrow, but will also be given concrete examples of many of the concepts tested by state assessments. Through hands-on experience, this class will introduce the subject of foods and sewing. In Foods, students will learn basic measuring skills, sanitation and how to follow simple recipes. In Sewing, students will learn machine sew to construct a simple project.

Guidance (2.5 Weeks)

Students will discuss and learn to appreciate the importance of getting along well with others. Being able to establish and maintain good healthy relationships is the key to success in all of life's endeavors. The following components of interpersonal skills will be discussed and practiced: patience, understanding, tolerance, respect, caring, cooperation and compromise. Special emphasis will be placed on always being kind, as well as polite.

Information Literacy (2.5 Weeks)

Students will learn the basic elements of the research process. In this class, students will learn how to define a topic, initiate a search strategy, locate resources and use the information to create a product. During this process, students will access and become familiar with print materials, periodical articles, online databases and web resources.

Elective (Choose Choir, Band or Strings)

Mixed Choir (Three Days Per Week)

Students will learn the basics of choral singing – breathing, posture, diction, vowel unification and sound production. The musical elements of pitch, style and expression, duration, texture, timbre and form are experienced through choral music in both individual and group settings. Required performances include two concerts.

Band (Three Days Per Week)

Students will learn the basics of playing their musical instruments. We start with the fundamentals and move on to basic tone production and music reading. By the end of the year, students learn how to play together as a band and perform concerts at Bay High School and for students at Westerly.

Strings (Three Days Per Week)

Students will build on the String foundations established in fourth grade. (New students will be accommodated, but private lessons are recommended.) Students will develop their technique and musicianship while performing a wide variety of tunes and pieces. Students are required to participate in all concert performances scheduled for Fifth grade Strings.

Sixth Grade

Language Arts

Students will enrich their understanding of Language Arts through their experiences in reading a variety of literature as well as strengthen comprehension and fluency throughout the curriculum. Students will also enhance their writing skills with usage of expanded vocabulary and sentence variety. They will review basic sentence and paragraph structure as they expand their skills of written expression. Students will also be exposed to a variety of literature genres and will be asked to respond to these works with both written assignments and oral presentations.

Science

The 6th Grade Science provides a firm foundation in scientific skills, methodology, and content knowledge in the areas of Earth, Life and Physical Science. Through inquiry-based investigations, students assume the role of scientists as they investigate cells, matter, motion, rocks, minerals and soil. Throughout these units students learn about their community while developing the skills and abilities needed for future studies in the field of science. In addition, students build vocabulary and scientific literacy as they engage in individual, paired, and group activities.

Math

Students will be expected to think critically, use a problem solving approach to discover solutions and be able to explain their reasoning. Instructional time is focused on four critical areas: (1) Connecting ratio and rate to whole number multiplication and division and using concepts of ratio and rate to solve problems; (2) Completing understanding of division of fractions and extending the notion of number to the system of rational numbers, which includes negative numbers; (3) Writing, interpreting, and using expressions and equations; (4) Developing an understanding of statistical thinking. The following mathematical practices are incorporated within each unit: use what you know to solve what you don't know, look for patterns when solving problems, use the best tool to provide a clear & accurate solution, and show your work to demonstrate evidence/proof of your solution.

Social Studies

In grade six, students study the Eastern Hemisphere, its geographic features, early history, cultural development and economic change. Students learn about the development of river civilizations in Africa and Asia, including their governments, cultures and economic systems. The geographic focus includes the study of contemporary regional characteristics, the movement of people, products and ideas, and cultural diversity. The main units we will study are Geography, Prehistory, Mesopotamia, Egypt, China, India and Major World Religions.

Art (18 Weeks, Alternating Days)

Students will work with a variety of materials to create two and three dimensional art projects, building on their knowledge of elements and principles of design. Each project will exercise students' critical and creative thinking and problem solving skills and are linked to Social Studies, Language Arts, Math and Science. Students will meet for art every other day for one semester.

Physical Education (18 Weeks)

Students will have class every other day for one semester. They will receive a P.E. uniform and be required to wear it every class. Students will continue to develop their skills in game/sport situations. 6th grade P.E. is a true mix of curriculum as

some games/activities will be progressions from what they did in 5th grade and some will be completely new things they have not done before. They will be required to participate in daily fitness activities and will take a fitness test at the end of the semester (PACER running test, push-ups, crunches, and flexibility).

Computer Technology (9 Weeks)

Students will continue their exploration of computers as they further develop their skills in proper keyboarding techniques and word processing. Students will be exposed to crucial information regarding the most common safety issues for youngsters using the Internet.

Family Consumer Science (4.5 Weeks)

Students will expand their knowledge in the area of Foods and Sewing. In Foods, the focus will be on the importance of safety in the labs and in their home, reading and following directions, and knowing what ingredients contribute to the nutritional content of a food. In Sewing, students will be using a sewing machine more independently to construct a small project.

Guidance (2.5 Weeks)

Students will discuss and learn to appreciate the importance of getting along well with others. Being able to establish and maintain good healthy relationships is the key to success in all of life's endeavors. The following components of interpersonal skills will be discussed and practiced: patience, understanding, tolerance, respect, caring, cooperation and compromise. Special emphasis will be placed on always being kind as well as polite.

Information Literacy (2.5 Weeks)

Students will deepen their knowledge of the elements of the research process. In this class, students will learn how to define a topic, initiate a search strategy, locate resources and use the information to create a product. During this process, students will access and become familiar with print materials, periodical articles, online databases and web resources.

Language Exploration

Students will explore the basic fundamentals of Spanish language and Hispanic culture. They will practice speaking, listening, writing and reading in the target language. 6th grade will meet once a week over the course of the year for a total of 36 classes.

Elective (Choose Choir, Band or Strings)

Mixed Choir (All Year)

Students will build upon the basics of choral music with special attention to vocal range and two-part harmonization. The study of the musical elements is continued with more emphasis on notation. Fifth grade chorus and/or equivalent and a true desire to sing are recommended. Required performances include two concerts and a medieval feast.

Band (All Year)

Students will build on the basics learned in fifth grade, and move to more advanced techniques. (New students will be accepted, with private lessons recommended.) Students will perform on tape and at Bay High School.

Strings (All Year)

Students will build on the skills learned in fifth grade and move on to more advanced techniques. (New students will be accepted, but with private lessons strongly recommended.) Students will have more performance opportunities and begin to play music as an orchestra. Students are required to participate in all concert performances scheduled for Sixth Grade Strings.

Seventh Grade

Required Courses

Language Arts

Students will continue their development as readers and writers as they work in thematic areas such as Relationships, Adventure, Historical Fiction, Greek Mythology and Science Fiction. Students will engage in experiences with literature that will deepen their comprehension, expand their vocabulary and broaden their world view. In addition, they will learn to clearly communicate their thinking through daily writing, as well as through major writing pieces and presentations. Through their studies, students will develop an appreciation for language as an art.

Science

In 7th grade, students will use multiple approaches to scientific discovery to investigate the following content areas: Astronomy, Energy Transformations, Properties of Matter, Dissection, Environmental Factors, Climate and Weather. Students are encouraged to use technology and scientific tools to build stronger 21st century skills throughout the year. The 7th grade Health curriculum will address appropriate decision making skills regarding nutrition, fitness, and healthy lifestyle choices.

Math 7

Students will develop an important cluster of related concepts, skills, procedures and ways of thinking as they focus on the following strands: *Algebra* involving representations of relationships including tables, graphs, words and symbols; *Number and Number Sense* involving rates and ratios, making comparisons, proportional reasoning, understanding and modeling integers and quantitative reasoning; *Probability* which focuses on expected value through finding experimental and theoretical probability; *Measurement* involving calculating volume and surface area of various solids; and *Geometry* which includes similar figures, scale factors, basic similarity transformation and algebraic reasoning.

Social Studies

Students will study world history, 750 BC to 1600 AD. Studies will include the civilizations and cultures of Ancient Greece, Ancient Rome, and the Middle Ages. Multiple resources and activities will be used to help students develop their abilities in content reading, note taking, essay writing and study skills.

Elective Courses

Mixed Choir (All Year)

Students will build upon the basics of choral music with special attention to the changing voice, three part harmonization and voice classification. The study of the musical elements is continued with emphasis on score interpretation. Highly motivated students will have the opportunity to participate in the Ohio Music Educators Solo and Ensemble contest. Sixth grade chorus and/or equivalent and a true desire to sing are recommended. A satisfactory

vocal audition set up between the teacher and the student is required for admittance.

Band (All Year)

Students will be introduced to the fundamentals of ensemble performance, in particular, working with a conductor and will meet every day, rehearsing and performing together as a unit. Students will be rehearsed and prepared for several concerts, as well as for an OMEA, large group adjudicated event. In addition, all students will have the opportunity to play in small ensembles, with the option of participating in the OMEA solo/ensemble contest. **NOTE:** This ensemble will be quite challenging for students who have not played an instrument before this year, as this is not an introductory class. Private lessons are *strongly* recommended for any students new to an instrument.

7th Grade Strings (All Year)

Emphasis will be placed on large group techniques, including working with a conductor, bowing in unison and maintaining balance. Students will prepare material for at least four concerts throughout the year and for performance at the OMEA large group adjudicated event. Students will also rehearse and perform in small ensembles, with the option of participating in the OMEA solo/ensemble contest. These ensembles meet every day. Private lessons are *strongly* recommended for any students new to an instrument.

Art (12 Weeks)

Students will create at least three major art projects, including a 3-dimensional piece. This piece could include ceramics, sculpture (wire, relief, paper mache, carving or plaster) or mosaics. Each 12 week class will be different over a two year period. The students will learn art terminology, color theory, the elements and principles of design, art history and career research. Projects will be in the following areas of art media: drawing/design, fibers, enameling/metals, mixed media, printmaking, computer graphics/photography, ceramics/sculpture, and painting.

Ceramics I (12 Weeks)

This 12 week course will give students an opportunity to explore several different ceramic hand building techniques focusing on creating functional artwork along with a variety of surface techniques including under glaze, over glaze, stains, texture and sgraffito. This class is offered twice for 7th graders.

Intro to French (12 Weeks)

Students will consider why French is studied, heighten their cultural awareness and will learn to communicate on basic topics. The course will also begin to build student understandings of the foundations of the French language. ***Please note - Students may take Strings or Chorus during the same trimester as Intro to French. Students are "shared" between the music and French classes, and Intro French curriculum is modified for those cases.**

Intro to Spanish (12 Weeks)

Students will consider why Spanish is studied, heighten their cultural awareness and will learn to communicate on basic topics. The course will also begin to build student understandings of the foundations of the Spanish language.

Computer Technology (12 Weeks)

Students will learn to use a Windows OS and the Microsoft Office applications including Word, Excel, Internet Explorer and PowerPoint. Computer technology will extend students' academic capabilities and prepare them to use MS Office programs in their daily lives. Proper keyboarding techniques and research strategies will be stressed as students learn skills that will help them in all their academic endeavors. Students may elect to take this class more than once; returning students will be introduced to more advanced features of the above applications.

Auto CAD (12 Weeks)

Students in Technology Education will be introduced to the process of technical drawing/drafting using the AutoCAD computer software. For 6 weeks, students will learn to create basic drafting sketches, three-view drawings, and isometric drawings. For the last 6 weeks, the students will team up to create a Cardboard Chair using AutoCAD to design the structure, and glue to hold the chair together. Students will learn and apply a number of math and engineering concepts throughout the course. This is a hands-on collaborative class that engages all types of learners!

Fundamental Family Consumer Science (12 Weeks)

Students will learn skills that will help them become more independent persons as well as better informed consumers in this hands-on experience class. In Foods, the focus will be on advanced preparation techniques and recipes for different courses of a meal and party foods. In sewing, the emphasis will be on making repairs and constructing a pair of lounge pants. Parents/students will supply materials for selected sewing projects.

Physical Education (12 Weeks)

Students will have class every day for a trimester. They are required to wear a P.E. uniform every day. Students will begin to transition into a much greater sport focus as they explore both team sports/activities and individual/life-long sports/activities. Students will be challenged to draw from previous experiences as they incorporate new skills into more advanced game play. They will progress from some games/sports they did in 6th grade as well as being introduced to a number of new sports/activities they have not done before. They will be required to participate in daily fitness activities and will take a fitness test at the end of the semester (PACER running test, push-ups, crunches, and flexibility). Additional assessments will include written quizzes.

Selective Courses

Chamber Choir (All Year)

Students will study choral literature and styles beyond that of their normal school day in this select auditioned group of 24 students. Membership in a large ensemble such as the 7th or 8th grade Mixed Choruses, the 7th or 8th grade Bands or the Orchestra is required. Students will rehearse before the start of school. Chamber Choir performs at all choral concerts as well as at various public events.

Jazz Ensemble (All Year)

Students will rehearse and perform works in the jazz style as they learn the fundamentals of playing swing, Latin and rock music. They will also learn the basics of improvising against jazz chord progressions. This ensemble is open by audition only to the following instruments: guitar, saxophone, trumpet, trombone, piano, drum set and upright bass. This class meets before school at 7 AM every day. Punctuality is an important part of successful participation.

Numbers and Beyond (12 Weeks)

Students will participate in project based learning, formal math labs, graphing calculator activities, and explore open ended tasks to challenge and further their math content knowledge. Class activities require students to apply and use the eight mathematical practices in real life projects. Participation in Numbers & Beyond does not impact whether or not you will take IAG1 as an 8th grader.

Elective Choices Worksheet (2 years)

1. Students will have 2 elective periods each school day.
2. Students must select 3 twelve week courses for each elective period (totaling 12 choices over his/her 7th & 8th grade years.)
3. If a student elects performance music (Mixed Choir, Band, Strings) for the whole year, then 6 elective courses must be selected over his/her 7th & 8th grade years.
4. A maximum of 4 classes in any one area may be taken over the two year period.
5. Students MUST take Intro to French or Spanish

Required Electives:

<u>No Music</u>	<u>Performance Music</u>
2 Art	1 Art
2 Physical Ed.	1 Physical Ed.
2 Technology/FCS	1 Technology

Grade 7 Music Electives

(Circle Music Elective and no. of years)

Mixed Choir 1 or 2 years

Band 1 or 2 years

Strings 1 or 2 years

No Music for 2 years

Selective Courses: (Circle if intending to audition.)

Chamber Choir Jazz Ensemble

Other Electives

(Indicate by Numbers 1-7 the order of preference)

Art _____

Art Lab-Ceramics _____

Intro to Foreign Lang _____

Computer Technology _____

Modular Technology _____

Family Consumer Science _____

Physical Education _____

Eighth Grade

Required Classes

English

In this class, students will be presented with a wide and rich variety of texts in order to explore the connections between reading, writing, speaking and listening. Eighth Grade English also focuses on writing skills, some specific writing types and the ongoing acquisition of vocabulary. Through active engagement in this course, learners are expected to continue in their growth as fluent readers and writers.

Science

Students will further develop their inquiry skills in the study of Earth, Life and Physical Sciences. They will gain an appreciation of the relationships between energy and matter as they relate to these curricular areas. Topics of study in clued plate tectonics, the rock and fossil record, geologic time, surface features, heredity, natural selection, the evolution of living things, interactions between fields, potential and kinetic energy and forces. Discovery labs and technology will be utilized while exploring these topics. Eighth grade science will conclude with a unit on appropriate decision making skills regarding tobacco, alcohol and drugs.

Math 8

Students in Math 8 will study mathematical topics of Algebra with a focus on (1) formulating and reasoning about expressions and equations, including modeling an association in bivariate data with a linear equation, and solving linear equations and systems of linear equations; (2) grasping the concept of a function and using functions to describe quantitative relationships; (3) analyzing two- and three-dimensional space and figures using distance, angle, similarity, and congruence, and understanding and applying the Pythagorean Theorem.

Integrated Algebra Geometry 1

Students in Advanced Math will begin the first year of the four-year program *Integrated Algebra and Geometry*. Students will study patterns in data, patterns of change, linear models, patterns in space and visualization, exponential models and graph models. In addition to these topics the course will incorporate fundamental concepts of Math 8. Placement is based upon the Iowa Algebra Aptitude Test and teacher recommendation. *The final grade will become part of the student's high school transcript.*

Social Studies

Students will examine the historical events of the time period from 1492 to 1877: Exploration through Reconstruction. Events in American history are studied within the context of world events. This examination of world events will provide an avenue for learners to gain perspectives on today's happenings.

French I or Spanish I

Students will learn the basic structure of the French or Spanish language in this year-long class. Both oral and written skills will be stressed, but more class work is devoted to the conversational aspects including pronunciation and formation of ideas. Students will listen to authentic French and Spanish speakers and participate orally. Students will also begin the study of the Francophone or Hispanic cultures, comparing and contrasting that with the American culture, using films and the Internet. Reading skills are introduced in the second marking period. *At the conclusion of the 2nd marking period, students will elect to take the class for High School credit or not.*

Elective

Mixed Choir (All Year)

Students will develop vocal independency, group working skills, blend and balance as it applies to the basics of choral music. The study of the changing voice is continued with special attention to three and four part harmonization. Students will also continue their study of the musical elements through standard choral literature. Highly motivated students will have the opportunity to participate in the Ohio Music Educators solo and ensemble contest. Seventh grade chorus and/or equivalent and a true desire to sing are recommended. A satisfactory vocal audition set up between teacher and student is required for admittance. Required performances include three concerts as well as the OMEA large group adjudicated event.

Band (All Year)

Students will rehearse and perform together as a unit and will develop more advanced ensemble techniques and more challenging material than the 7th grade band. Special emphasis is placed on preparing for the transition to the high school program. Students will prepare for several concerts as well as an OMEA large group adjudicated event. Students may also play in small ensembles, with the option of participating in an OMEA solo/ensemble contest. **NOTE:** This ensemble will be quite challenging for students who have not played an instrument before this year, as this is not an introductory class. Private lessons are *strongly* recommended for any students new to an instrument.

8th Grade Strings (All Year)

Emphasis will be placed on large group techniques, including working with a conductor, bowing in unison and maintaining balance. Students will prepare material for at least four concerts throughout the year and for performance at OMEA large group adjudicated event. Students will also rehearse and perform in small ensembles, with the option of participating in OMEA solo/ensemble contest. These ensembles meet every day. Private lessons are *strongly* recommended for any students new to an instrument.

Computer Technology (12 Weeks)

Students will examine ways to utilize the Cloud and will investigate the collaborative nature of our digital world and how it can increase productivity and promote a paperless environment. Students will explore the advanced features of the Microsoft Office Suite as they develop technical skills with word processing, databases, graphics, spreadsheets, presentation programs and the Internet. In addition, students will experiment with digital cameras, video cameras, animated gifs, MP3's and video production software. Student projects will focus on design and innovation.

Physical Education (12 Weeks)

Students will have class every day for a trimester. They are required to wear a P.E. uniform every day. Students will use all previous experiences of skill development and be challenged both mentally and physically to attain higher levels of play. A highlight for 8th grade P.E. is the very popular and much anticipated Archery unit where students shoot with real bows and arrows. The course will place an emphasis on life-long physical activity and fitness and prepare them for their high school P.E. requirement. Students will be required to participate in daily fitness activities and will take a fitness test at the end of the semester (PACER running test, push-ups, crunches, and flexibility). Additional assessments will include written quizzes.

Art (12 Weeks)

Students will create at least three major art projects, including a 3-dimensional piece. This piece could include ceramics, sculpture (wire, relief, paper mache, carving or plaster) or mosaics. Each 12 week class will be different over a two year period. The students will learn art terminology, color theory, the elements and principles of design, art history and career research. Projects will be in the following areas of art media: drawing/design, fibers, enameling/metal, mixed media, printmaking, computer graphics/photography, ceramics/sculpture, and painting.

Ceramics II (12 Weeks)

This 12-week course will provide an extension on students' previous ceramics class from 7th grade. In this course students will focus more on sculptural hand building techniques, applying the art principles to create functional or non-functional artworks. This class will be offered once for 8th graders. 7 grade Ceramics I is a prerequisite for this course.

Auto CAD (12 Weeks)

Students in Technology Education will be introduced to the process of technical drawing/drafting using the AutoCAD computer software. For six weeks students will learn to create basic drafting sketches, three-view drawings, and isometric drawings. For the last six weeks the students will team up to create a Cardboard Chair using AutoCAD to design the structure, and glue to hold the chair together. Students will learn and apply a number of math and engineering concepts throughout the course. This is a hands-on collaborative class that engages all types of learners!

Fundamental Family Consumer Science (12 Weeks)

Students will learn skills that will help them become more independent persons and better informed consumers in this hands-on class. In Sewing, the emphasis will be on making repairs, using the sewing machine independently and sewing a chosen project. Parents/students will provide materials for project. In Foods, the focus will be on advanced preparation techniques and recipes for main meals and party foods.

Creative Stitching (12 Weeks)

Students will create a project of their own choosing in this differentiated class. All levels of experience and skills are accepted as students choose from the following possibilities: using a pattern or kit to construct a project; copying and constructing a ready-made item; creating an original free style design such as a fleece blanket with appliqué; as well as many accessory items. Parents/students will provide materials for projects selected.

Foods and Technology (12 Weeks)

Students will use a science-based approach to cooking as they analyze information on proper cooking techniques and methods, nutrition, meal planning principles, food experiments, recipe creation and cultural foods. This class will balance cooking labs and supportive activities.

Introduction to Robotics (12 Weeks)

Students in this Technology Education course will have the opportunity to work collaboratively in groups to learn basic STEM (Science, Technology, Engineering, and Math) concepts and programming while using LEGO Robots. Students will work collaboratively in groups for the entire 12 weeks. The groups will be challenged in subjects such as measurement, mathematics, and obstacle avoidance. Students put knowledge into practice through lab settings where robotic programs are created and tested in real world situations such as: Maxes, Drag Racing, Olympic Robots, and everyone's favorite-Battle Bots. This is a hands on collaborative class that engages all types of learners!

Intro to French 8

Students will learn basic French vocabulary that would be suited to traveling situations, primarily focusing on listening and speaking with an introduction to reading and writing skills. In addition, students will take a look at French-speaking regions of the world and explore some aspects of the cultures they represent through video presentations and Internet resources.

Selective Courses

Chamber Choir (All Year)

Students will study choral literature and styles beyond that of their normal school day in this select auditioned group of 24 students. Membership in a large ensemble such as the 7th or 8th grade Mixed Choruses, the 7th or 8th grade Bands or the Orchestra is required. Students will meet before school. Chamber Choir performs at all choral concerts as well as at various public events.

Jazz Ensemble (All Year)

Students will rehearse and perform works in the jazz style as they learn the fundamentals of playing swing, Latin and rock music. They will also learn the basics of improvising against

jazz chord progressions. This ensemble is open by audition only to the following instruments: guitar, saxophone, trumpet, trombone, piano, drum set and upright bass. This class meets before school at 7 AM every day. Punctuality is an important part of successful participation.

College Credit Plus (CC+) – (6th - 8th Grade)

College Credit Plus, replaces PSEO, as signed into law under House Bill 487. Under the College Credit Plus guidelines, high school must form at least one partnership with an Institute of High Education (IHE) and develop two pathway opportunities. These pathways must show how students can earn 15 transcripted credits or 30 transcripted credits.

Final guidelines for College Credit Plus are due for release in February of 2015 and details will be published at that time. Students wishing to pursue this option should speak with their assigned counselor and attend our College Credit Plus night, which will be scheduled in February after the final details are released. See below for examples of tracks with the potential partner school.

Cuyahoga Community College Associate of Science (STEM /Calculus) 15/30 Hour Blocks			
Course Number	Course Name	Semester Hours	TAG Course?
ENG 1010	College Composition I	3	Yes
MATH 1610	Calculus I	5	Yes
CHEM 1300	General Chemistry I	4	Yes
CHEM 130L	General Chemistry I Lab	1	Yes
Social Science *PSY 1010, SOC 1010 GEOG1010		3	Yes
	Total	16	
Cuyahoga Community College Associate of Science, Non Calculus 15/30 Hour Blocks			
Course Number	Course Name	Semester Hours	TAG Course?
ENG 1020	College Composition II	3	Yes
MATH 1620	Calculus II		Yes
CHEM 1310	General Chemistry II	4	
CHEM 131L	General Chemistry II lab	1	Yes
Humanities* ART 1010, HIST 1010, PHIL 1010		3	Depends on course
	Total	16	

Cuyahoga Community College Associate of Science, Non Calculus 15/30 Hour Blocks			
Course Number	Course Name	Semester Hours	TAG Course?
ENG 1010	College Composition I	3	Yes
MATH 1410	Elementary Probability and	3	Yes

	Statistics I		
BIO 1500	Principles of Biology I	4	No
CHEM 1300	General Chemistry I	4	Yes
CHEM 1310	General Chemistry I lab	1	Yes
	Total	15	
ENG 1010	College Composition II	3	Yes
MATH 1420	Elementary Probability and Statistics II	3	Yes
BIO 1510	Principles of Biology II	4	No
CHEM 1310	General Chemistry II	4	Yes
CHEM 131L	General Chemistry II lab	1	Yes
	Total	15	
Cuyahoga Community College			
Associate of Science, Engineering			
15/30 Hour Blocks			
Course Number	Course Name	Semester Hours	TAG Course?
ENG 1010	College Composition I	3	Yes
MATH 1410	Elementary Probability and Statistics I	3	Yes
BIO 1500	Principles of Biology I	4	No
CHEM 1300	General Chemistry I	4	Yes
CHEM 1310	General Chemistry I lab	1	Yes
	Total	15	
ENG 1010	College Composition II	3	Yes
MATH 1420	Elementary Probability and Statistics II	3	Yes
BIO 1510	Principles of Biology II	4	No
CHEM 1310	General Chemistry II	4	Yes
CHEM 131L	General Chemistry II lab	1	Yes
	Total	15	