



MONTGOMERY UPPER MIDDLE SCHOOL

**PROGRAM OF STUDIES
2015 - 2016**

REQUIRED COURSES

Students are scheduled for academic courses (language arts, social studies, science, and math) with a team of teachers. These teachers are specialists in their content areas, but work cooperatively to create small learning communities within a large school. The team of teachers outlines common expectations for their group of students, meets together with counselors and child study personnel, and provides coordinated information for parents. Students at UMS are scheduled for required and elective courses. After-school clubs and interscholastic sports are also available.

The program of studies is described as follows:

LANGUAGE ARTS

The language arts program is designed for students to read and write proficiently and with stamina for a variety of purposes. As students read text in various genres such as essays, short stories, plays, and poetry, their language arts instruction supports writing in each of the genres. Writing instruction, in a writer's workshop model, supports all components of the writing process, and students apply their writing skills with attention to revision and editing. Additionally, students read quality literature encouraging critical thinking and an appreciation for the richness and complexity of language. Students demonstrate comprehension and respond to literature through journals and in whole class and small group discussions. The readings, both fiction and nonfiction, provide opportunities for students to explore and develop intellectually, socially and emotionally due to the rich diversity of the themes presented in the readings.

SOCIAL STUDIES

Social Studies enables students to internalize knowledge and to develop the skills, content, and attitudes necessary for effective and responsible citizenship in a democratic society and in the global community. The historical focus of the seventh grade social studies curriculum is on the post-Classical period of 500 to 1500. The major themes of this historical era are how civilizations expanded, how power shifted, how religion spread, and how the world moved from parallelisms and tentative contacts between individual civilizations to one of encounter and exchange – producing a dynamic global framework that led to the spread of ideas, goods, technology, and disease. The eighth grade program focuses on American history, geography and civics. Students learn about the Constitution and the development of the United States grappling with the question of, “Are we the nation we set out to be?”

SCIENCE

The science program is designed to encourage curiosity, exploration, and scientific thinking by asking testable questions, designing experiments, collecting and analyzing data through observation and investigation, and drawing conclusions.

Science 7

Students explore life science by participating in a variety of learning activities that require them to explore and utilize the habits of mind and the nature of science through a variety of methods including hands-on explorations. The units of study include: the characteristics of science; diversity of living organisms; structure and function of cells; tissues, organs, and organ systems; biological traits; interdependence of organisms and their environments; inherited traits and evolutionary survival of organisms. This scientific view defines the idea that explanations of nature are developed and tested using observation, experimentation, models, evidence, and systematic processes based on logical thinking. Inquiry skills at this level include organization of data and manipulation of variables in experiments. Students communicate their ideas through lab reports, reflections as well as argumentative writing aligned with the Common Core State Standards in Literacy in Science.

Science 8

This hands-on course emphasizes the study of matter and energy. Specifically they study Chemistry and an introduction to Physics. Students explore various physical and chemical properties of matter and applications to the real world. "Characteristic properties" like density, solubility, and melting point, etc. are then featured in more depth. The chemistry curriculum culminates with an understanding atomic structure and the arrangement of the elements in the Periodic Table of the Elements. Students ultimately learn to relate properties of matter to the location of elements on the Periodic Table of Elements. Students conduct controlled and inquiry-based experiments in their pursuit of scientific investigations. They develop coherent procedures, concise data tables, construct appropriate graphs based on data, and relate conceptual understanding of "slope" to actual experiments. In the Physics aspect of the curriculum, students explore motion and how to represent the motion of objects via a) data, b) graphs, c) motion diagrams, d) words. Students are expected to safely conduct experiments using proper scientific technique. Students communicate their ideas through lab reports, reflections as well as argumentative writing aligned with the Common Core State Standards in Literacy in Science.

MATHEMATICS

The Mathematics program at UMS offers a variety of courses depending upon students' previous mathematics achievement and progress. All courses address the content and practices mandated by the New Jersey Common Core Content Standards. All courses stress the Mathematical Practices outlined in the Common Core. Students will:

- Make sense of problems and persevere solving them
- Reason abstractly and quantitatively
- Construct viable arguments and critique the reasoning of others
- Model with mathematics
- Use appropriate tools strategically
- Attend to precision
- Look for and make use of structure
- Look for an express regularity in repeated reasoning

In Grade 7, students are enrolled in one of the following:

Pre-Algebra 7.

Prerequisite: Completion of *Math 6*.

This course meets the Common Core State Standards for grade 7. Students further develop their use of variables in expressions and solving equations and inequalities. Instructional time will focus on four critical areas: (1) developing understanding of and applying proportional relationships; (2) developing understanding of operations with rational numbers and working with expressions and linear equations; (3) solving problems involving scale drawings and informal geometric constructions, and working with two- and three-dimensional shapes to solve problems involving area, surface area, and volume; and (4) drawing inferences about populations based on samples.

Algebra 1 Part 1

Prerequisite: Completion of *Math 6* or *Pre-Algebra 6* and placement by Mathematics Supervisor.

This full-year course is the first half of the Algebra I content and addresses the algebra I content and instruction of the Common Core State Standards for algebra in High School. The focus of this course is on the foundations of algebra: use of variables, expressions and solving equations. Functional relationships are examined using multiple representations. Proportions, percent problems, and rewriting equations and formulas will be developed. There is a focus on the

following: graphing linear equations in two variables using a variety of techniques, recognition of the slope of the line as a constant and interpreting the slope as a rate of change in real-world graphs, establishing direct variation as a special type of linear relationship, and introducing students to functional notation.

Algebra 1 Honors.

Prerequisite: Completion of *Pre-Algebra 6* and placement by Mathematics Supervisor.

This full-year honors level course addresses all of the algebra I content and instruction of the Common Core State Standards for algebra in High School. The instruction develops solving equations and inequalities, graphing linear equations, inequalities and functions. Students develop these concepts into solving systems of equations and inequalities. Students continue their learning of functions to include linear, absolute value, exponential and quadratic functions, their graphs and solutions through a variety of representations and methods. Students utilize factoring polynomials and simplifying radicals to further solve real world problems. Probability and data analysis are explored along with scatterplots and an informal use of line of best fit.

In Grade 8 students are enrolled in one of the following:

Algebra I Part 1

Prerequisite: Completion of *Pre-Algebra 7*.

This full-year course is the first half of the Algebra I content and addresses the algebra I content and instruction of the Common Core State Standards for algebra in High School. The focus of this course is on the foundations of algebra: use of variables, expressions and solving equations. Functional relationships are examined using multiple representations. Proportions, percent problems, and rewriting equations and formulas will be developed. There is a focus on the following: graphing linear equations in two variables using a variety of techniques, recognition of the slope of the line as a constant and interpreting the slope as a rate of change in real-world graphs, establishing direct variation as a special type of linear relationship, and introducing students to functional notation.

Algebra I Part 2

Prerequisite: Completion of *Algebra I Part 1*.

This full-year course is the second half of the Algebra I content and addresses the algebra I content and instruction of the Common Core State Standards for algebra in High School. The focus of this course includes the further development of functions, particularly absolute value, exponential, and quadratic functions. Students utilize factoring polynomials and simplifying radicals to further solve real world problems. Probability and data analysis are explored along with scatterplots and an informal use of line of best fit.

Algebra I Part 2 Honors

Prerequisite: Completion of *Algebra I Part 1* with a final grade of 90 or higher.

This full-year course is the second half of the Algebra I content and addresses the algebra I content and instruction of the Common Core State Standards for algebra in High School. This course covers the same content as *Algebra I Part 2*. However the rigor of problems and problem solving is more significant in this honors level course. The focus of this course includes the further development of functions, particularly absolute value, exponential, and quadratic functions. Students utilize factoring polynomials and simplifying radicals to further solve real world problems. Probability and data analysis are explored along with scatterplots and an informal use of line of best fit.

Geometry Honors

Prerequisite: Completion of *Algebra I Honors* with a final grade of 85 or higher.

This full-year course addresses the algebra I content and instruction of the Common Core State Standards for geometry in High School. This course combines the essential elements of plane geometry and the basics of solid geometry. Strong emphasis is placed on deductive reasoning and solving complex original proofs. Additional topics include introductory trigonometry, coordinate geometry and transformations. A strong background in *Algebra I Honors* will be required from the beginning of the course, and students will be expected to understand the concepts taught in class, as well as to transfer them to novel applications and problem solving situations.

Algebra 2 Honors

Prerequisite: Completion of *Geometry Honors* with a final grade of 85 or higher.

This full-year course further addresses the algebra content and instruction of the Common Core State Standards for algebra and functions in High School. *Algebra 2 Honors* provides students the opportunity to study the structure of the real and complex number systems, further develop the concept of linear functions and relations, inequalities, systems of equations in two and three variables, determinants, polynomial equations and functions, rational expressions, conic sections, sequences and series, exponential equations and logarithms. A strong background in *Algebra I Honors* and *Geometry Honors* is required from the beginning of the course, and students will be expected to understand the concepts taught in class, as well as to transfer them to novel applications and problem solving situations. Scientific and graphing calculators are required.

The criteria for placement into 7th grade mathematics courses are posted on the Lower Middle School website under departments/mathematics/program overview.

Acceleration in Mathematics:

Students at UMS may not take courses over the summer for acceleration. The Middle School years are critical to build the foundation for future learning. This opportunity is available for high school students only, with prior permission from the High School administration. More information regarding this may be found at the High School Program of Studies under the Option II provision.

WORLD LANGUAGE

All students are required to take a World Language. Learning experiences are designed to be practical and useful in order to develop the ability to communicate and interact in a foreign culture. Language choices include **French, German, and Spanish** and should be made in seventh grade and adhered to throughout each student's middle school experience. Students will be prepared to enter high school level 2 courses.

HEALTH & PHYSICAL EDUCATION

Physical Education emphasizes the importance of teamwork, personal fitness, leadership and social interactions through the sports education model. Our program provides students with the opportunity to develop a lifelong understanding of team and individual sports skills, cardiovascular fitness, team building, and sportsmanship through various performance activities.

Health 7

Health classes are designed to help students work to meet the challenges of leading a healthy and active lifestyle. In 7th grade health the students will focus on wellness and the wellness triangle. They will explore topics that affect their wellness such as goals and goal setting, media, fitness, nutrition, body image, decision-making, and stress.

Health 8

The focus of the 8th grade curriculum is addiction, alcohol and drug awareness, controlled substances, human reproduction, disease transmission, and HIV/AIDS. Students will explore decisions related to responsible personal behavior.

ESL

The English as a Second Language program is divided into levels: Level 1 – Beginners, Level 2 – Intermediate and Level 3 – Advanced. The purpose of the ESL program is to strengthen the four language skills; speaking, listening, reading and writing. In addition, the ESL program provides a comfortable and nurturing environment that eases the difficult transition the ELLs (English Language Learners) must face as they assimilate into a new academic setting and culture..

PUPIL SERVICES

Students with Individualized Education Program (IEPs) have their programs designed to meet requirements as dictated by student need. All individual program needs are discussed at a student's IEP Annual Review meeting with the IEP Team.

ACADEMIC SUPPORTS

Applied Study Skills

This intervention course focuses on techniques and learning strategies to improve students' study skills. Emphasis is on students taking organized notes, time management, test-taking strategies, active listening, and methods of conducting research. In addition, students will have ongoing opportunities to apply these skills to their daily class work and receive feedback to enhance their study habits.

Math Workshop and Language Arts Workshop

The goal of Math Workshop is to help students develop computational and problem solving skills. The goal of Language Arts Workshop is to help students become more fluent, confident and competent readers and writers.

STEM & STEAM

UMS offers a wide array of cycle and elective courses allowing students the opportunity to develop both introductory and advanced skills in a variety of career paths:

- *Architecture*
- *Graphic Design*
- *Industrial Materials*
- *Computer Languages*
- *Web Design*
- *Robotics*

Some courses are specifically designated in the Program of Studies as either STEM or STEAM. STEM is an acronym for Science, Technology, Engineering, and Math education. STEM is an interdisciplinary and applied approach that is coupled with hands-on, problem-based learning. STEAM, a newer movement widely adopted by institutions, corporations, and individuals, aims to integrate Art and Design in education and place it firmly at the center of STEM.

Grade 7 - CYCLE COURSE DESCRIPTIONS

Cycle courses are required for all 7th grade students and rotate each quarter.

Active Citizenship 7

This cycle course explores the roles, rights and responsibilities associated with being an active citizen in a democratic society. Students will explore issues of civic importance while developing their understanding of the role of civic engagement and of political processes in the local, national, and/or global community. Students will apply concepts of political thinking and the political inquiry process to investigate issues and developments that are both of significance in today's world and of personal interest to them. Through activities such as mock congressional sessions, hearings, debates and elections, students will develop political efficacy and support for democratic values and principles. This course addresses both the 2009 New Jersey Core Curriculum Standards for Active Citizenship in the 21st Century as well as the National Common Core Standards for Literacy in History/Social Studies.

Art Survey

This cycle course allows all 7th grade students the opportunity to explore their creativity through painting, drawing, sculpting, and other artistic media. Students will learn about famous artists, how art has impacted various cultures, the skills and techniques to be a successful artist, and how to think creatively and visually about the design process. Students are given the freedom to design their projects in a manner that reflects their individual personality and interests.

Computer Applications

In this exploratory digital literacy course, students will be exposed to a variety of tools which enhance online reading, digital composition, and media literacy. Students will learn to leverage and choose from various web-based tools that assist in annotation, note taking, building online reading collections, and research. Additionally, students will develop that ability to access and utilize online database collection, e-books, and online journals. This course will prepare students for online learning in high school and beyond.

College & Career Readiness

This cycle course is designed to guide students through the steps they need to take in order to be ready for transitioning from middle school to high school and preparing for post-secondary life. Through active engagement in the Naviance College and Career Readiness Program along with the New Jersey Career Assistance Navigator, students will learn critical topics related to self-discovery, developing success skills, building a network, exploring career options, and planning for all aspects of college/career (academic, social, emotional, financial). This course addresses both the 2009 New Jersey Core Curriculum Standards for College and Career Readiness as well as the National Common Core Standards for Literacy in Technical Subjects.

Grade 7 - ELECTIVE COURSE DESCRIPTIONS

VISUAL & PERFORMING ARTS ELECTIVES

Chorus 7 (Full Year)

These are the vocal performing groups for Upper Middle School students. These ensembles perform in two major evening concerts each year. The music department, including the chorus, participates in a festival competition in the spring. The chorus curriculum is designed to build the individual's voice. We will learn choral literature from a variety of styles and historical periods and in a variety of languages. Students learn how to read music and interpret the various musical symbols. Frequently small instrumental ensembles provide accompaniment for the singers.

Orchestra 7 (Full Year)

Orchestra is composed of students who have performed satisfactorily in the Lower Middle School orchestra or its equivalent and wish to further develop skills in preparation for membership in the intermediate and senior orchestras in the high school. Much emphasis is placed on proper musical techniques and on the development of the self-discipline needed to be a successful member of the orchestra. Several concerts are performed during the school year. Students can select orchestra in grade 7, and/or grade 8.

Concert Band 7 (Full Year)

Strike up the band! This course continues to teach students how to play their band instruments through the study of intermediate band literature and other musical materials. Students will be exposed to developmental concepts and techniques in music education. Successful completion of 6th grade band or demonstration of commensurate musical ability is required prior to enrolment. This class is held during the school day as the students' elective choice. In addition to collective instruction, students will also receive small group instruction from one of the band directors during class time. Students will perform at a winter concert, spring concert, and a concert band festival in the spring.

Digital Music 7

The world of music has met the digital age! Students in this course will work with ipads and digital instruments both to compose and perform music. Students will be working primarily with the ipad application Garageband to interactively learn about music notation, chord structure, and music composition. The opportunities to compose both classical and popular music exist. Objectives of the course include learning about different musical genres, historical performances, music theory and most importantly, using that knowledge to compose original music using the ipads and digital instruments.

Introduction to Graphic Design

This course will introduce students to the world of media, advertising, and graphic design. Students will explore the effects of media and advertising on our society while developing visual design skills through the use of Adobe Photoshop and basic drawing techniques. Areas of study will include typography, image editing, digital photography, and advertising.

CAREER & TECHNOLOGY ELECTIVES

Young Entrepreneurs

Are you interested in fashion, sports, photography, cooking, or technology? You can learn how to be an entrepreneur with your interests in mind and get your idea off the ground. You will use and improve your creativity and problem-solving skills while learning new computer skills. During the course, you will experience starting up a business and learning different strategies through current businesses, online videos and software. Business foundations, communication skills, financial literacy and computer skills will be explored.

Introduction to Engineering & Design [STEM]

This course will focus on giving students the opportunity to create, construct, and evaluate their own design work while managing time, materials, tools and processes. Students will apply mathematics and science principles in the construction of a Balsa wood bridge that is constructed to be the most efficient design. To study mechanisms, students will explore the use of simple machines by constructing a mousetrap powered vehicle that is designed to travel to a pre-determined distance. The creative design process will be used in all activities so students will develop better problem solving and critical thinking skills.

Web Design & Coding

It's all about the Internet. If drawing upon your creativity, imagination and interests excites you, then this hands-on programming course is for you. You will create digital projects in order to explore how to best communicate ideas and messages on the web. Projects will include online interactive posters, visual media using images, text, music, voice recordings and video. Communication, programming languages, collaboration and problem solving skills will be stressed throughout this course.

Active Citizenship 8

In this project-based learning course, students work in collaborative teams in an attempt to find solutions to real-world domestic and global problems. Extensive research is done on interdisciplinary issues including poverty, hunger, education, gender equality, health, and environmental sustainability, among others. Students then apply their knowledge to design an action plan with criteria-based solutions to enable their team to meet time-sensitive targets. Teams will be evaluated on their use of effective communication and practical problem solving. Through the use of guest speakers and various methods of telecommunication, authentic audiences related to these domestic and global issues will be brought into the class to share their expertise and provide students with relevant and timely feedback. The course promotes a variety of 21st Century competencies, including global awareness; active and responsible citizenship; self-directed learning; innovative and practical problem solving; collaborative team membership; effective communication; and information-literate research.

Broadcast Journalism

In this course, students will study the power of journalism and media and become reporters on anything from school news to world issues. Students will study the structure of news reporting, learn how to conduct interviews, and gather and present information on a variety of topics in a variety of formats including biopics, documentaries, straight news reporting, interviews and debate. The final products will be produced and broadcast on a Montgomery Upper Middle School news channel.

GRADE 8 - ELECTIVE COURSE DESCRIPTIONS

VISUAL & PERFORMING ARTS ELECTIVES

Orchestra 8 (Full Year)

Orchestra is composed of students who have performed satisfactorily in the orchestra or its equivalent and wish to further develop skills in preparation for membership in the intermediate and senior orchestras in the high school. Much emphasis is placed on proper musical techniques and on the development of the self-discipline needed to be a successful member of the orchestra. Students will perform in a winter concert, spring concert, as well as a spring orchestra festival.

Chorus 8 (Full Year)

These are the vocal performing groups for Upper Middle School students. These ensembles perform in two major evening concerts each year. The music department, including the chorus, participates in a festival competition in the spring. The chorus curriculum is designed to build the individual's voice. We will learn choral literature from a variety of styles and historical periods and in a variety of languages. Students learn how to read music and interpret the various musical symbols. Frequently small instrumental ensembles provide accompaniment for the singers.

Concert Band 8 (Full Year)

Eighth grade band is a year-long performance-based course which studies a wide variety of band repertoire with focus on developing the concepts of blend, balance, intonation and musicality in the ensemble setting. In addition to band rehearsals, students will also receive small group instruction during band class from one of the band directors. Performances include concerts in the winter and spring, as well as other district engagements – all are mandatory. Successful completion of 7th grade band or a meeting with the band director is required *prior to* registration.

Digital Music 8

The world of music has met the digital age! Students in this course will work with ipads and digital instruments both to compose and perform music. Students will be working primarily with the ipad application Garageband to interactively learn about music notation, chord structure, and music composition. The opportunities to compose both classical and popular music exist. Objectives of the course include learning about different musical genres, historical performances, music theory and most importantly, using that knowledge to compose original music using the ipads and digital instruments.

Theater Arts

Theater Arts is designed to give eighth grade students an understanding and appreciation for the performing arts. Students are involved in activities that develop communication, concentration, and body movement skills for actors. Designed to build confidence and self-esteem, the course concludes with a performance, by the class, of a short play.

Drawing and Computer Graphics [STEAM] (semester 1)

This course will allow students to focus on developing and enhancing their observational and technical drawing skills, while also working with computers, technology, and graphics imaging software to complete a variety of visual design tasks. Throughout the course students will explore drawing, illustration, graphics imaging and design.

Sculpture and Ceramics (semester 2)

In this course students will enhance their understanding of the Elements of Art and Principles of design, by applying their artistic skills and creative vision to 3D forms of artwork. Students will solve visual design challenges through planning and sketching in the production of 3D works of art. Areas of study will include collage, wire sculpture, mixed media projects, and ceramics.

Digital Illustration and Design [STEAM] (semester 1)

The objectives of this course are exploring the world of Illustration by developing drawing, cartooning, digital drawing, and graphic imaging skills and creativity as well as utilizing developing design skills to apply to specific design and engineering problems. Additionally, through the STEAM experience, students will understand that science, technology, engineering, art, and math are utilized to the fullest when applied together in solving specific design problems. Students in this course will collaborate with technology students on at least two projects.

Digital Animation & Design [STEAM] (semester 2)

The objectives of this course are exploring the world of animation by developing sketching, planning, storyboarding, sculpting, videography, graphics imaging, and editing skill as well as utilizing developing design skills to apply to specific design and engineering problems. Additionally, through the STEAM experience, students will understand that science, technology, engineering, art, and math are utilized to the fullest, when applied together in solving specific design problems. Students in this course will collaborate with technology students on at least two projects.

Introduction to Studio Art (semester 1)

This course will encourage students to develop creative thinking, decision making, and problem solving skills through the use of the Elements of Art and Principles of Design. The areas of study will include drawing, painting, printmaking, and sculpture, with a focus on creative expression and personal discovery. This course qualifies students to apply for a waiver into studio I at MHS.

Studio Art (semester 2)

Though the primary focus of this course is 2-Dimensional Visual Design, students will develop their artistic skills and creative expression through a variety of mediums including observational drawing, watercolor and acrylic painting, mixed media collage, and sculpture. This course qualifies students to apply for a waiver into studio I at MHS.

CAREER & TECHNOLOGY ELECTIVES

Active Citizenship 8

In this project-based learning course, students work in collaborative teams in an attempt to find solutions to real-world domestic and global problems. Extensive research is done on interdisciplinary issues including poverty, hunger, education, gender equality, health, and environmental sustainability, among others. Students then apply their knowledge to design an action plan with criteria-based solutions to enable their team to meet time-sensitive targets. Teams will be evaluated on their use of effective communication and practical problem solving. Through the use of guest speakers and various methods of telecommunication, authentic audiences related to these domestic and global issues will be brought into the class to share their expertise and provide students with relevant and timely feedback. The course promotes a variety of 21st Century competencies, including global awareness; active and responsible citizenship; self-directed learning; innovative and practical problem solving; collaborative team membership; effective communication; and information-literacy research.

Broadcast Journalism

In this course, students will study the power of journalism and media and become reporters on anything from school news to world issues. Students will study the structure of news reporting, learn how to conduct interviews, and gather and present information on a variety of topics in a variety of formats including biopics, documentaries, straight news reporting, interviews and debate. The final products will be produced and broadcast on a Montgomery Upper Middle School news channel.

Inventions & Innovations/Set Design [STEAM]

This elective is designed to increase problem solving and design skills. Inventions & Innovations/Set Design is an elective, which revolves around design, hand drawing, modeling and prototyping of inventions and innovations. This course will provide the opportunity for students to study technology as the creative design process in areas of transportation, energy systems, manufacturing, and construction. Students will work collaboratively with the Fine Arts students on many projects including the designing and fabrication of the set for the spring production.

Mass Media & Communication

Students today are constantly bombarded with messages. In this course students will evolve from passive recipient of messages to proactive consumers who learn to deliver and view all types of communications. Students will study advertising, famous speeches, social networking and film to learn how meaning is delivered in subtle and not so subtle ways. Furthermore students will learn about media in America compared to other cultures so they can get a world perspective. Finally, students will be creating their own commercials, speeches and short films to send powerful messages to the audience.

Everything Robotics [STEM]

Everything Robotics is where students transform from being consumers of technology to creators of technology. This is a hands-on course that teaches science, technology, engineering and mathematical concepts in a fun and engaging way. Students learn the valuable skills of time management, problem solving and teamwork as they complete robot challenges. The engineering design process is applied as students investigate real-world problems, come up with solutions and debug programs as they test and evaluate their models. Research and current events in the areas of careers in robotics and other STEM disciplines are also integrated throughout the course.

Web Design & Coding [STEM]

It's all about the Internet. If drawing upon your creativity, imagination and interests excites you, then this hands-on programming course is for you. You will create digital projects using various online web tools which will be shared with others while increasing your computer skills. Projects will include online interactive posters, programming languages, and visual media using images, text, music, voice recordings and video. Communication, collaboration and problem solving skills will be stressed throughout this course.

CO-CURRICULAR SCHOOL ACTIVITIES

UMS offers a variety of after school activities, clubs and interscholastic sports. Late bus service is provided Tuesday through Thursday to accommodate the various time schedules of the activities.