

MMS 2021-2022 ELECTIVE OFFERINGS

Broadcasting	This is an intensive laboratory course in gathering, writing, and producing a news show for our school. Students will learn basic journalistic and technological skills. Students will research, gather, and analyze information to create audio and video productions for our school news WMMS-13 to broadcast to a variety of audiences. Due to equipment involved in this course, students and parents who are enrolled will be required to sign an equipment agreement. (Semester Long)
Medical Detectives	Students play the role of real-life medical detectives as they collect and analyze medical data to diagnose disease. They solve medical mysteries through hands-on projects and labs, measure and interpret vital signs, dissect a sheep brain, investigate disease outbreaks, and explore how a breakdown within the human body can lead to dysfunction. (Semester Long)
Forensic Science	Forensics is using tools to solve crimes. During the semester course, we will play the role of investigators to analyze crimes from the time it is reported to police until a suspect is convicted. We will examine pieces of evidence including fingerprints, marks, DNA, etc. found at the crime scene. (Semester Long)
Money, Money	The course "Your Money and Credit: Introduction to Personal Finance" seeks to provide students with an introduction to personal finance. Topics include building wealth, including the do's and don'ts of credit, budget, balancing a checkbook, saving money, etc. The students will run the Millbrook Middle School Snack Shack. (Semester Long)
Speech/Debate	Speech and Debate is an introductory course that covers a variety of styles of public speaking and formal debate. Through research and practice students will become familiar with these styles through instruction, research, and practice. Each unit will culminate in performance assignments that require students to demonstrate their abilities within the classroom setting. (Semester Long)
Film Studies	This course introduces students to the history of film, how films are made, and helps them develop the skills to appreciate and analyze film as an art and entertainment form. Students will learn about narrative structure and film techniques by watching and discussing film clips and full-length films. They will be expected to write about and give presentations on films as well as make a short film. Students considering this class as an elective should expect writing assignments, be able to participate in class discussions, and be open-minded about viewing older as well as newer films. (Semester Long)
Urban Legends: Fact or Fiction	In this semester course, students will be studying myths from around the world (ex: Greek, Roman, African, Egyptian, Ancient Americas, King Arthur, Big Foot and Yeti) Thanks to technology, opportunities to skype with University professors, Archeologists, Scientists will provide insight. Virtual tours and creating their own tour through Google. Art Museums can be explored – National History in London, Smithsonian in Washington D.C. and Art Museum in Atlanta. Students will be creating replicas of various art work from those places, writing stories, creating mosaic tiles, Paper Mache vases. Students will participate in a Create Your Own Museum Exhibit Contest – this is where all of their art work will be displayed. Their exhibits will be judged, and prizes will be rewarded. (Semester Long)
Creative Writing	This course introduces students to some processes and techniques of creative writing in multiple genres. Students learn some of the elements of poetry, fiction, and drama, and experiment with writing in those genres. Class time is devoted to sharing student work, discussing the writer's craft assigned readings, and responding to student writing. (Semester Long)
Spanish 1	Spanish 1 will provide the student with a general introduction to the Spanish language: sound system, pronunciation, functional vocabulary related to everyday life, cultural information, and basic grammatical structures. Emphasis will be on the acquisition of four skills: listening, speaking, reading and limited writing. (Year-Long Elective) 8 th Grade Only- High School Credited Course

Hands On Engineering	In this elective we will have weekly group projects/individual projects as well as a 9 week class project. Each week we will study different types of engineering and physics and use what we learn to create. These things may include but are not limited to catapults, trebuchets, bridges, airplanes, cars, and boats using everyday materials on a smaller scale size. (Semester Long)
Energy and the Environment	Students are challenged to think big and toward the future as they explore sustainable solutions to our energy needs and investigate the impact of energy on our lives and the world. They use what they've learned to design and model alternative energy sources, as well as evaluate options for reducing energy consumption. (Semester Long)
Cultural Studies	This class is designed to focus on learning about international travel as well as different cultures, languages, foods, and activities done around the world in a hands-on way. (Semester Long)
Art	Students will explore understanding and knowledge of architecture, sculpture, painting, and other forms of art within diverse historical and cultural contexts. Basic design, drawing, painting, and sculpture techniques will be explored as well. \$20.00 fee (Semester Long)
App Creators	This unit will expose students to computer science as a means of computationally analyzing and developing solutions to authentic problems through mobile app development and will convey the positive impact of the application of computer science to other disciplines and to society. (Semester Long)
3D Geometry	This course is where art and geometry collide. Students will create various geometric 3D paper models such as prisms, pyramids, kaleidocycles, dodecahedrons, tetracontrahedrons, and many, many more! The construction of the paper models will range from easy shapes such as prisms to very challenging models like Twisted Pyramids, Hectahedrons, and Tetrakaidecagon Kaleidocycles. Along the way, students will learn various angle relationships and geometric math concepts. After creating the patterns, students will decorate their models to give them pizazz. (Semester Long)
Computer Science for Innovators and Makers (PLTW)	Throughout this class, students learn about programming the physical world by blending hardware design and software development, allowing students to discover computer science concepts and skills by creating personally relevant, tangible, and shareable projects. (Semester Long)
Robotics (PLTW)	Students trace history, development, and influence of automation and robotics as they learn about mechanical systems, energy transfer, machine automation, and computer control systems. Students VEX Robotics® platform to design, build, and program real-world objects such as traffic lights, toll booths, and robotic arms. (Semester Long)
Computer Science Discoveries	Computer Science Discoveries is an introductory computer science course. The course takes a wide lens on computer science by covering topics such as problem solving, programming, physical computing, user centered design, and data, while inspiring students as they build their own websites, apps, animations, games, and physical computing systems. (Semester Long)
Yearbook	Students learn basic publication and journalism skills focusing on writing articles, designing layouts, sales/promotion, and distribution. Students will produce the school yearbook. ** Application, sample design layout, and approval required. Year Long Elective
Otaku	The course will expose students to gaming through reading, drawing, and anime. (Semester Long)
Music Appreciation	This course will expose students to various genres of music throughout history. (Semester Long)
Theater	Students will learn and discuss the basic elements of drama to better understand and analyze characters and scripted material. Students will learn and use drama and theatre vocabulary in class discussions and the activities will address the promotion and reinforcement of students' literacy skills. Students will exhibit and reinforce their skills through individual and group presentations, performances, and script and journal writing. \$25.00 Fee Limit of 22 - Year Long Elective
Beginner Band	Students will learn to read music and the basics of playing a wind or percussion instrument. (7th Gr. Only) - Year Long Elective
Advanced Band	Students will learn advanced musical concepts and techniques for percussion instruments. (8th Gr. Only) -Year Long Elective
PE AIDE	Have to apply with Coach Freaney (Semester Long)
Office Aide	Have to apply with Mrs. Kiser (Semester Long)
Student Library Aide	Have to apply with Mrs. Judge (Semester Long)

