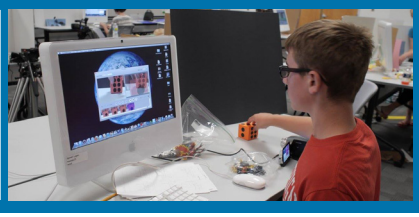
STEM Camps

Science. Technology. Engineering. Mathematics

The Monroe County Intermediate School District continues to create great programs for ALL Monroe County students.



CARdboard Camp – **Grades 6-8** (Max # 12)

Build a car out of CARdboard! You and a partner will sketch out your design, then build a scale model prototype out of cardboard. You will learn a variety of cardboard modeling techniques that will enable you to continue designing and creating all summer long.

Location: River Raisin Room 4, Cost: $20
June 25-28, 9:00 a.m. - Noon

LEGO EV3 Robotics Camp – **Grades 4-7** (Max # 16)

This camp is designed to teach students more about the fields of science, technology, engineering and mathematics (STEM). Campers will use the LEGO Mindstorms EV3 to design, build and program autonomous robots. Monday through Thursday, campers will work to solve challenges. On Friday, campers will take a field trip to a local business to learn about careers in STEM and the practical applications of robotics in industry.

Location: River Raisin Rooms 2 & 3, Cost: $80
June 25-29, 9:00 a.m. - 2:00 p.m., Field Trip on June 29

Stop Motion Animation Camp – **Grades 5-8** (Max # 9)

Learn the concepts behind film/video animation and make art come alive as stop-motion animation! With patience and problem solving, students will construct scenes and characters with paper models, clay, or other objects and shoot a short video with them— one picture at a time. At the end of the week, each student will have a set of short movies to be proud of and to share with friends and family.

Location: River Raisin Rooms 1 & 4 and MAC Lab Cost: $40
Two sessions offered: July 9-10 OR July 11-12, 9:00 a.m. - 2:00 p.m.

Advanced Robotics Camp – **Grades 4-8** (Max # 16)

This camp is designed to take experienced robotics students to the next level. Campers will use the LEGO Mindstorms EV3 to learn advanced mechanical design and programming skills. They will also have the opportunity to design and build innovative robots to complete tasks and compete in sumo and other robot games. It is preferred that students attending this camp have previous FIRST LEGO League or robotics camp experience.

Location: River Raisin Rooms 2 & 3, Cost: $80
Two sessions offered: July 9-12 OR July 16-19, 9:00 a.m. - 2:00 p.m.

Introduction to Minecraft – **Grades 4-5** (Max # 12)

This beginner level Minecraft course will introduce students to digging, building and problem solving. Students will utilize engineering practices to design and build structures. Students will also utilize redstone to power their buildings.

Location: MCISD PC Lab, Cost: $20
July 9-12, 9:00 a.m. - Noon

TETRIX Robotics Camp – **Grades 6-8** (Max # 12)

For students who are ready to advance beyond LEGO MINDSTORMS, this camp will feature the LEGO TETRIX building system in order to build larger metal robots. Students will learn design and basic tool skills, then learn to run their robots with the FIRST Tech Challenge (FTC) control system by programming their own Android App. Campers will work in small teams and also learn about the engineering process and electronics. (Previous attendance at a LEGO MINDSTORMS camp is NOT necessary).

Location: River Raisin Rooms 2 & 3, Cost: $80
August 6-9, 9:00 a.m. - 2:00 p.m.

All Summer Camp Sessions will be held at the Monroe County Intermediate School District.

REGISTER ONLINE ONLY AT WWW.MONROEISD.US

The Monroe County Intermediate School District does not discriminate on the basis of religion, race, color, national origin, sex, disability, age, height, weight, marital status or familial status in its programs, activities or in employment. The following person has been designated to handle inquiries regarding the non-discrimination policies: Elizabeth J. Taylor, Assistant Superintendent for Human Resources and Legal Counsel, 1101 S. Raisinville Road, Monroe Michigan 48161; Telephone: 734.322.2640.