

# JULY Engineering for Kids

## Apprentice/Master Camp for Ages 7 - 14

**Momentum Madness Zero to sixty in two seconds! (9 a.m. - Noon):** How fast can an object go without compromising safety? Students in this camp will work with their Pit Crew to design and build vehicles such as dragsters and hovering levitrons, which should be able to withstand astonishing speeds. Fasten your seat belt, the race has begun!

**Software Engineering - Scratch Video Sensing Camp (1 p.m. - 4 p.m.):** What's more fun than playing an interactive video game? Writing one! Video sensing allows students to design and program their own video games and then test them by interacting with the program via webcam. In this Scratch program, students work together to create their own games, art, and musical instruments while exploring coding foundations. Get up and get moving with Engineering for Kids and Scratch: Video Sensing!

Day: Monday - Friday

Date: July 25 - 29

Time: Option A: 9:00 a.m. - 4:00 p.m. - Full day

**Course Code: 16272**

Full Day Fee: \$250 per resident \$375 per non-resident

Time: Option B: 9:00 a.m. - 12:00 p.m. - Half day

**Course Code: 16273**

Option C: 1:00 p.m. - 4:00 p.m. - Half day

**Course Code: 16274**

Half Day Fee: \$175 per resident \$262.50 per non-resident

Multi-family discount: \$25 off each additional child

Age: 7 - 14 years old (Apprentice/Master)

Location: Kiwanis Center



Note: A \$25 per camper supply fee is due to the instructor on the first day of camp. Checks should be made payable to Merrell Academic, LLC.

## Junior Camp for Ages 4 - 6

**Junior Space Pioneers Camp – “Programming and Coding” (10 a.m. - Noon):** Space Pioneers Programming and Coding are becoming necessary skills for various fields of engineering. Many of today's engineers spend most of their time in front of a computer processing, analyzing, and extracting data to help them design, test, and improve products and tools. With coding and programming knowledge, today's engineers can work faster and come up with more creative design solutions that otherwise would be out of reach without programming. Scratch introduces children to programming in a logical way by opening the door to the world of programming. Just as any student can be an engineer, any student can program!

**Junior Aerospace Engineering – “Taking to the Skies” Camp (1 p.m. - 3 p.m.):** The Junior Aerospace Engineering camp introduces our youngest engineers to fundamental concepts of aircraft and spacecraft design. Through open and focused exploration, students explore and construct airplanes, rockets, hot air balloons, and more.

Day: Monday - Friday

Date: July 25 - 29

Time: Option A: 10:00 a.m. - 3:00 p.m. - Full day

**Course Code: 16275**

Full Day Fee: \$225 per resident \$337.50 per non-resident

Time: Option B: 10:00 a.m. - Noon - Half day

**Course Code: 16276**

Option C: 1:00 p.m. - 3:00 p.m. - Half day

**Course Code: 16277**

Half Day Fee: \$150 per resident \$225 per non-resident

Multi-family discount: \$25 off each additional child

Age: 4 - 6 years old (Juniors)

Location: Kiwanis Center



Note: A \$25 per camper supply fee is due to the instructor on the first day of camp. Checks should be made payable to Merrell Academic, LLC.