



BE CONNECTED

WITH SCIENCE TECHNOLOGY AND ENGINEERING

Members of the CHS Cadillac Connectors Robotics Club will lead hands-on, interesting and intriguing experiments focused around science, technology and engineering concepts.

Mondays and Tuesdays, 3:30 – 5:30pm at the Cadillac Area YMCA Teen Center
program content is intended for middle school and Jr. High students.

Members FREE

Community Members Included with \$6 Day Pass or Courtesy Pass

(Includes use of gym & pool as well)

TOGETHER WE CAN BUILD A BETTER US.



July 24-25 – Surprising Science Reactions: Chemistry & Physics

- Make Elephant Toothpaste
- Experience Reflection/Refraction with Water Bending
- See the Magic of Magnetic Charges
- Discover Phone Book Friction

July 31-Aug.1 – Super Charged Electrical

- Make a battery from a lemon and a potato
- Static fun with electrical charges
- Discover how control switches work on a model train track

August 7-8 – Built It: Structural Engineering

- Create and test a structure built to protect an egg dropped from the sky
- Form teams to compete in building tallest, strongest and creative Lego structures
- Discover how to use spaghetti as a strong structural material to build a bridge

August 14-15 – Computer Aided Design and Mechanical Engineering

- Design custom toys and Minecraft models with TinkerCAD 3D design
- Create and build a popsicle catapult to compete for greatest launch
- Explore various online soft wares to design your own screen print to make t-shirts

August 21-22 – Ozbot Robotics and Game Code Programing

- Create a video game using basic coding with Scratch Software
- Explore coding software creating a game for competition
- Program Ozbots to follow pathways

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