Join us for a week of fun with amazing robots! Learn about the uses of robots in our world and spend time experimenting with super cool, red-hot robots. Experiment with sound-sensing robots, line-tracking robots, and more! Discover the science of circuits and how robots use sensors to explore things around them. Use your skills to build your very own working robot to take home to "live" with you. (**Ages 8 – 12**)

These are only a sample of some of the activities that we will be doing each day. The topics will not necessarily follow this order. However, each of these topics will be included at some point in the camp.

Ready for Robots - Children will explore the fundamentals of robotics and discover how robots are used through activities and games. They will begin to build their very own robot that they will take home at the end of the week.

Circuit Science - This program will explore the "nuts and bolts" of robots as children will build simple circuits, test for conductors and non-conductors and discover how switches work. Children will make their own "Bugbots" to take home.

Use Your Common Sensors - Children will explore the concept of sensors and discover what they enable a robot to learn about its environment. They will play games that involve their senses and do activities that involve communication. Children will make their own "Circuit Sensor" to take home.

Robots 101 - Campers will learn about Asimov's "Laws of Robotics" and applications of robotic technology in this fun-filled program. They will continue building their Robot and use Boolean Logic to help them build a fun take home item.

Advanced Robotics - Children will complete the building of their robot and spend time using their imaginations to create robot designs of their own. They will discover how to program robots via a sequence of commands. Each child will take home their robot to continue their exploration of robotics at home.