Entering Grades 3-8

Back to School BOT BASH!-
--August 7th-August 11th (9a.m.-11a.m.)
_$100_

Each day will be a new BOT
Challenge:
- Robot Soccer
- Brush Bot
- Sumo Bot
- Catapult Challenge
- Bot Race with Driver change

_SUMO Bot Battle---__April 11_
through May 6th Meetings $50

Over the course of 3 -- 2hr meetings
participants will build and program
Lego based Bots to battle it out.

Robots. Science. Fun!

Sylvania STEM Center

3315 Centennial Road
Sylvania, Ohio 43560
419-283-3084

Register at:
www.sylvaniastem.org

2017 Summer Camps

Igniting Wonder

SYLVANIA STEM CENTER

Our engaging summer camps
spark interest in Science,
Technology, Engineering and
Math!

Entering Grades K-3

Exploratory LEGO Engineering---
June 26-June 30 (9a.m.-11a.m.) $100

Young campers can use their wildest imaginations to build creations that help solve everyday problems. Through this exploration, they will actively use engineering design concepts and learn about simple machines.

Entering Grades 1-3

LEGO WeDo Robotics---
July 24th-July 28th (9a.m.-11 a.m.) $100

Young campers will design, build and program a LEGO robot. Using block-based programming, they will learn how to make their robot move, make noise, change colors and interact with its environment.

Entering Grades 3-8

Get your Game on! (Video Game Design LEVEL 1)----
June 5th-June 9th or July 17th-July 21st (9a.m.-12 p.m.) $125

Have you ever wanted to make your own video game? Our Campers will learn the basics of the Scratch programming language by designing, building and sharing their own video games.

Get your Game on 2.0! (Video Game Design LEVEL 2)----
July 31st-August 4th (9a.m.-12p.m.) $125

Campers that have completed Get Your Game on 1 - are invited.
Continue your game development experience with more advanced design ideas and new Scratch skills.

Entering Grades 4-8

Lego EV-3 Basic Programming & Engineering.---

June 12th-June 16th (9a.m.-2p.m.) $150

Campers will:
o Create programs and navigate the EV-3 software
o Program and integrate various sensors into your robot (color, touch, ultrasonic,etc.)
o Learn how to do a line follow
o Be challenged to do various tasks from previous FIRST Lego League Missions
o Will use the engineering design process to design their robot and attachments for camp challenge of the week

Robot Olympics! Lego EV-3 Advanced Programming and Engineering.---
June 19-June 23rd (9a.m.– 2p.m.) $150
-pre-requisite: completed FLL season or basic programming camp
Campers will:
o Create My Blocks and to sequence programs
o Program and integrate various sensors into your robot (Ultrasonic, gyro, etc)
o Engineer a stable reliable robot using engineering design process
o Campers will synthesize what they've learned to compete in various challenges.