



Summer Camp Robotics, Engineering & Game Play

Stem education at its best
(Ages 8-15)

Much more information with pictures at:
<http://www.kidsroboticsengineeringcampmd.com>

REGISTER AT THE ELI Lab

At The Woods Academy
6801 Greentree Rd
Bethesda MD 20817

Guaranteed Fun! All welcome!
For beginners and experienced campers.

**Former State finalist high school robotics
team members on hand to help campers**

Director: Mr. Alisbah
Woods Academy
Science teacher
calisbah@woodsacademy.org
(301) 365 3080 EXT #360
**Robotics teacher &
Science teacher.
EV3 & RobotC
Certified Instructor**

Content

- 1) Students will learn **EV-3 programming**
- 2) Students can learn **RobotC programming** (This will appeal to older students)
- 3) Students will test their programming skill in **Virtual World** environments.
- 4) Students will test their new programming skills with real robots.
- 5) Students will build and program several new and exciting robots.
- 6) Students will compete in fun competitions (**Bluetooth/game controlled robots**)

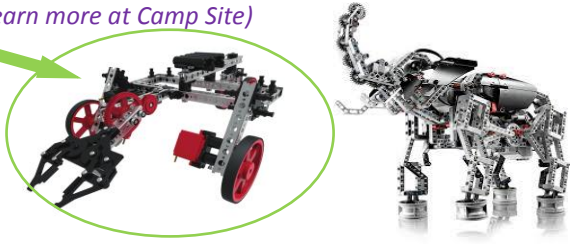


Includes Soccer-Bot (World Cup) and Sumo-Bot remote controlled competitions!!

All subject matter will be offered, but students may have particular areas of interest they wish to pursue more than others.

All students will have access to multiple robotic kits (NXT 2.0, EV3, and TETRIX PRIME), including their own programmable brick and computer. NEW TO THE CAMP ARE **TETRIX PRIME ROBOTS**. (Learn more at Camp Site)
The computers will utilize:

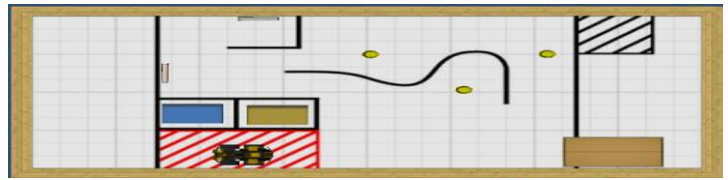
- [1\) Virtual Worlds \(EV3 Challenge Pack, Ruins of Atlantis, Palm Island and others\)](#)
- [2\) EV3 Video Trainer. \(Lego mindstorms Education: EV3\)](#)
- [3\) Robot C curriculum for Lego Mindstorms](#)
- [4\) NXT Robotic Engineering](#)



The amount of activities including building and programming are limitless. Students can work on their own or work with partners of their choice. With a small student to teacher ratio the pupils can chart their individual course for success. Students can attend one, or more sessions. The sessions are not in any special order. Students will continue to learn new skills whenever they arrive. LEGO Robotics is a lifelong educational enterprise that prepares them for a future of possibility and fun.

Additional INFO: What is RVW?

*No Robot, No Problem! **Robot Virtual Worlds** is a high-end simulation environment that enables students, without robots, to learn programming. Research has shown that learning to program in the RVW is more efficient than learning to program using physical robots.*



Register at Woods Academy the ELI Lab <-Click

EV3 Professional Development Certificate of	Robo 500 Level 1 Completion	Robo 250	Path Part 1 Traversed	Gem 1 Collected