



Summer Camp

TREVON BRANCH ROBOTIC ENGINEERING

Stem education at its best

Entering Grade 2-9

Much more information with pictures at:

<http://www.kidsroboticsengineeringcampmd.com>

Guaranteed Fun! All welcome!

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

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**)



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

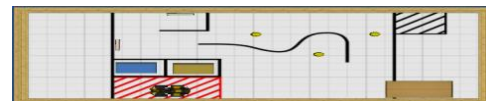


The amount of activities including building and programming are limitless. Students can work on their own or work with partners of their choice. Students can attend one, or more sessions. The sessions are not in any special order. Students will continue to learn new skills whenever they arrive. LEGO 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.



EV3 Professional Development Certificate of



Robo 500 Level 1 Completion



Robo 250



Path Part 1 Traversed



Gem 1 Collected