



Enhanced Education through Robotics and Computer Vision based Projects

"We loved seeing the boys so engaged in mathematical and scientific thinking. They were challenged and inspired about how robotics systems work. David Duran gave them complex concepts in an understandable and fun way." Shannon and Jim Campbell, hosts of 12 year old boys' STEM Enrichment mini-camp

What value can you place on motivating and inspiring a young mind? Our robot-vision fundamentals mini-camp provides students with new perspectives which excites them about learning Math and Science as well as potential career paths in robotics and computer vision industries. All concepts come together through hands on learning and celebrated with student-built robot-vision game play.

Here is a basic breakdown of our STEM Enrichment mini-camp:

- Designed for students aged 12 and up
- Meet for two 3 hour sessions within a two week period
- Flexible locations - we can come to you or we can reserve meeting space
- Small learning groups of 3 to 6 students
- Cost is \$180 per student for both sessions
- Some of the Math and Science topics covered include Electromagnetic Energy, Snell's Law, Thin Lens Equation, Quantum Efficiency, Area, Perimeter, Pythagorean Theorem, Distance Formula, Proportions, Matrix Operations, Fractions, Limits
- Students provide their own laptops (not necessary to participate, but fun to take home)
- We provide two laptops, software, cameras, lenses, lighting, redboards, breadboards, motors, wires, structural etc
- We provide base code and guide students while making modifications introducing programming concepts

Need some extra attention? We also offer subject tutoring and homework help!

For more information or to get started, call 720-460-1036 or visit

<http://www.stemenrichmentacademy.com>

David Duran

Program Director

[dduran@stemenrichmentacademy.com](mailto:dduran@stemenrichmentacademy.com)