High School Engineering
Electro-Optics Summer Camp

This 4 day camp is taught by Dr. Benjamin Campbell and introduces students to electro-optics and microcontrollers. No background in these areas is needed to participate.

Electro-optics technology surrounds us, hidden from the untrained observer. Examples include the touch screen of a smart phone, ultraviolet lasers that read data from a DVD, internet information streaming across the globe on fiber optics cables and more. During this camp, students will learn the basic principles of electronics and how to use several engineering tools including: multimeters, function generators, oscilloscopes, breadboards and circuit design software and more. Through hands-on activities, students will about the properties of photons and lasers and learn how to use Arduinos to control lights and sensors.

July 25-28, 2016
10am-3pm
Robert Morris University
John Jay Center
$75

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