

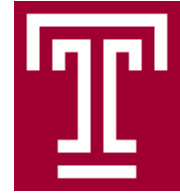


Explore Engineering!

Ages 10 to 14

August 22-26, 2011 9 AM-12 PM

Temple University Fort Washington Campus



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Professor College of Engineering Temple University

What do Engineers do? They use technology and imagination to solve real-world problems right in our own communities and work to improve people's lives. Learn about the field of Engineering and have the hands-on opportunity to invent, design and build creations while developing skills in teamwork and leadership.

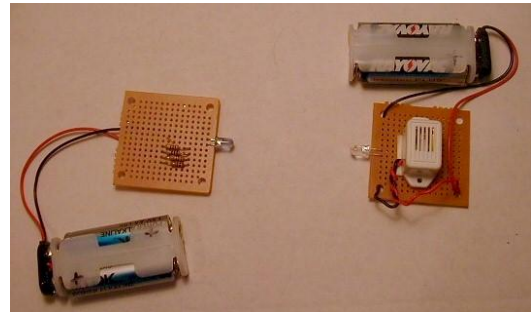
We'll first look at Civil Engineering, the oldest Engineering profession. This experience is provided by the *American Society of Civil Engineers*. Civil Engineers implement the highways, sanitation, pollution control and earth resource conservation for our modern civilization. We'll investigate the role of bridges with the *Popsicle Bridge Challenge*.



Next, we'll look at Mechanical Engineering, the force behind the continuing industrial revolution. This experience is provided by the *American Society of Mechanical Engineers*. Mechanical Engineers use the force behind and the motion of the machines to give us a part of our modern civilization. We'll investigate how simple mechanical machines work with *Making It Easier*.



Finally, we'll look at Electrical Engineering, the magic behind the electrical, electronic, and computer revolution. This experience is provided by the *Institute of Electrical and Electronics Engineers*. Beside many electrical inventions, Electrical Engineers have developed electronic communication and cellular technology. We'll investigate how wireless communication works with the *Marconi Challenge* using infrared (IR) signals, the same technology as a remote control.



Explore Engineering! meets for half-a-day (9 AM – 12 PM) for one week, August 22-26, 2010 at the Fort Washington Campus of Temple University at 401 Commerce Drive, Fort Washington PA 19034 (215-468-8500).

To learn more about this course, email: silage@temple.edu. To register for this course, use the link: [Register for this Course](#) (or: <http://amb-hercules.ftwash.temple.edu/CourseStatus.awp?~~10C8749>)

To learn more about the College of Engineering at Temple University, use this link below:

<http://www.temple.edu/engineering/>

