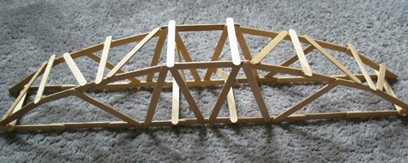
***Explore Engineering!***Ages 10 to 14  
August 23-27, 2010 9 AM-12 PM  
Temple University Fort Washington Campus

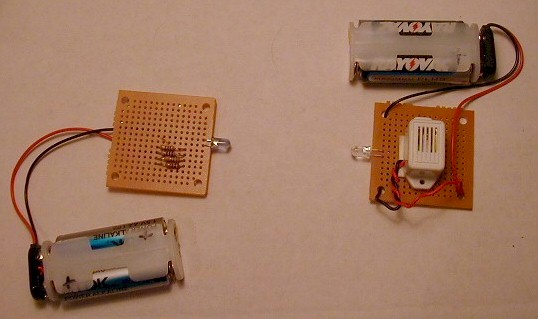
Dennis Silage, PhD  
[*silage@temple.edu*](mailto:silage@temple.edu)  
Professor College of Engineering Temple University

[](http://www.asce.org/default.aspx)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*.

[](javascript:%20ShowThumb('/images/pageitems/p33516560_7627.jpg',%20'',%20'798',%20'1079');)

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 23-27, 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](mailto:silage@temple.edu). To register for this course, use the link: [Register for this Course](http://amb-hercules.ftwash.temple.edu/CourseStatus.awp?~~10C8749)  
(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://en.wikipedia.org/wiki/File:TempleOwls.png)<http://www.temple.edu/engineering/>  
  
