

## **Davenport Community Schools' PLTW Summer Camp**

The *Project Lead The Way* summer camp called "Project Connect with Engineering in the Quad Cities" will run from July 13 - 17 from 8:30 a.m. to 3:30 p.m. During this first year of implementation, the camp will accommodate 24 upcoming Davenport Schools' 8th graders with the hopes of expanding offerings in the future.

Exelon Nuclear, in Cordova, will host the students Day 1. They have a full day of activities planned on-site with lunch provided by Exelon. Their focus will be electricity, though the students will be exposed to a wide range of engineering fields. Exelon will be using young engineers to help with the day. There will be presentations and hands-on activities then students will visit Exelon's simulator and tour their fish hatchery.

The U.S. Army Corps of Engineers at the Rock Island Arsenal will host students Day 2 and will focus on civil engineering. Students will spend the whole day there doing a variety of activities. They will talk about problems and be asked to help solve them. Students may even get to visit the geo-technical lab and a virtual reality simulator of the locks and dams.

Packaging Technologies (PT), in Davenport, will host students on Day 3. Students will brainstorm the container/package for one of PT's products. They will sketch things and cut things related to the product to give students hands-on experience. During the tour, they will see and hear about the machines and processes used to design and build packages. Students will be exposed to the product from start to finish and will see multiple disciplines including sales, planning, accounting, etc.

The ASM International QC Chapter of engineers will sponsor students on Day 4. Students will watch basic materials engineering demonstrations to get students excited about engineering. Demonstrations will cover such things as magnetism, liquid nitrogen and how materials behave at low temperatures. Students will tour the John Deere Technology Center in Moline.

On the final day, Day 5, students will create a hands-on project that summarizes what they learned through-out the week. Parents will be invited in the afternoon at which time students will present their projects.