

Easton Learning Foundation (ELF) Announces a NEW 5 year Initiative!!

Studies show that the U.S. needs more prepared, competent high-tech employees to stay competitive in the global market. The U.S. needs to give students the knowledge they need to excel in high-tech fields.

What areas of study provide “high-tech” knowledge?

➔ **Science**
Technology
Engineering
Math } *ELF will be funding **STEM** grants and projects in all three Easton schools! Come to “Parent’s Night” to learn more!*

➔ **Project Lead The Way (PLTW) at HKMS**

A highly regarded national pre-engineering program will be added to the 6th - 8th grade curriculum at HKMS in 2010 when ELF successfully raises over \$115,000 in 2009/2010 through parent, business and community partnerships. **PLTW**’s middle school curriculum is a hands-on program which develops strong math, science and technology skills while engaging the natural curiosity of middle school students.** The program is divided into five independent, nine-week units including:

- ➔ **Design and Modeling:** Introduces students to the design process. Using design briefs, students create models and documentation to solve problems.
- ➔ **The Magic of Electrons:** Gives students the opportunity to explore the science of electricity, the movement of atoms, circuit design, and sensing devices.
- ➔ **The Science of Technology:** Teaches students about the mechanics of motion, the conversion of energy, and energy transfer.
- ➔ **Automation and Robotics:** Explores the history and development of automation and robotics while teaching students about structures, energy transfer, machine automation, and computer control systems.
- ➔ **Flight and Space:** Developed with NASA, this unit introduces students to the technology of aeronautics, propulsion, and rocketry.

** Go to www.PLTW.org for more information and come to Parent’s Night to learn more! (Turn over flier for more on ELF!)