

## **Adventures in Technology Success Stories**

### **Respironics and Franklin Regional High School**

- 6 years of working on the program together with students from the gifted program
- Process improvement strategies for the manufacturing lines
- Time tests and manufacturing process improvement recommendations saved the company an estimated \$20,000 in lost productivity
- Hired a college intern that had done projects with the company in HS

### **Tsudis Chocolates and North Hills High School**

- 5th year the high school has been involved with the program
- Students recommended solutions to production of injection filled chocolates
- Challenge was to measure the exact contents to meet tight tolerances without slowing the production process
- Portions of the student recommendations will likely be implemented

### **All-Clad Metalcrafters and South Fayette High School**

- First year of involvement for both the school and the company
- Team of independent study students charged with improvements to the machining of a piece of cookware with precise specifications
- Current process lead to imperfections, waste, and lost revenue
- Helped challenge the company's ideas and got them thinking about a proper solution
- Student idea and solution implemented by company were near identical

### **YWCA and Pittsburgh Job Corps**

- Third year of involvement by students at the school
- Students researched technology improvements to the YWCA Homewood-Brushton center's current computer capabilities
- Students researched solutions related to wireless networking technology, a new computer lab for students, remote access for housing workers in the field, software solutions, and grant funding support to pay for the technology upgrades
- Project work completed provided valuable insights for the IT staff of the YWCA that they didn't have the internal resources to research or identify

### **MAYA and Hampton High School**

- Students designed an internal website for the company
- Project that the company could easily do themselves, but could not dedicate billable resources to the project
- The end product developed by the students will assist the company with internal communications, documentation management, new employee orientation, and corporate culture