

explore

the new manufacturing

Manufacturing Innovation Challenge

Partnerships for Real-World Experience

By teaming students with local companies to solve real-world problems with innovative solutions, the Manufacturing Innovation Challenge (formerly Adventures in Technology) generates excitement about manufacturing career opportunities in southwestern Pennsylvania.

Company Benefit

Since the program began back in 2002, more than 2,600 students from over 60 schools have worked together in teams supervised by mentors at more than 60 companies. The companies who participated have identified these benefits that they received:

- Fresh Perspectives and Innovative Ideas
- Time and Cost Savings
- Build Community Relations
- Talent Recruitment

School Benefit

By engaging in a hands-on task to design and build a product, or to re-engineer an existing product, process or system; projects compliment science and technology curriculums already in place at local middle and high schools and serve as an ideal activity to introduce students to workforce ideas and experiences. The projects are aligned with Science, Technology, Engineering and Math (STEM) standards and curricula, Project Based Learning efforts, and career exploration programs.

Student Learning Objectives

- Read and apply technical information to business and industry
- Show the ability to communicate and interact with industry professionals
- Learn and understand technical concepts and principles
- Gain knowledge about industry materials, equipment and processes
- Utilize teamwork, decision-making and technical aptitude skills
- Develop a professional presentation to illustrate solutions

For More Information

More information about the Catalyst Connection Explore the New Manufacturing program is available at www.explorenewmfg.org

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