



Field Trip Board Approval Form

Instructor: Rob Suprynowicz

Date of Request: 9/15/14

Program: Precision Machining

Session: AM ☐ PM ☐ Both ☒

Date(s) of Trip: Fri, Oct. 3, 2014

Time(s): 8:20 am departure
2:15 pm return

Number of students participating: 44

Destination:

PNI, Meadville

Address: 764 Bessemer Street, Suite 105, Meadville PA

Mode of transportation: school bus 16335

List of chaperones (where applicable):

Rob Suprynowicz

Educational Rationale:

Students will learn about precision jobs in manufacturing, mechatronics, 3D engineering + printing, high tech programming, OEM and nanotechnology.

Cost to students: NONE (Attach an itemized description if necessary)

Cost to Program: busing (possible subsidy from NTMA)

Where applicable please attach itinerary.

Principal's Signature: Joseph Tamasietel

Date: 9/17/14

Applicant's Signature: Rob Suprynowicz

Date: Sept 15, 2014

Board Approval Date: _____

All Erie County Technical School Field Trips Must Adhere to Operating Committee Policy #231

ISO Form #: 2700.03.01

Revision Date: March 3, 2011

This is a controlled document. Hard copies of this form must conform with Forms Index date.

SAVE THE DATE!



TECHFEST

PRECISION JOBS FOR AMERICAN MANUFACTURING

*Brought to you by the Advanced Diversified Manufacturing Industry Partnership, Northwestern PA Chapter
National Tooling and Machining Association and Northwest Industrial Resource Center*

Friday, October 3, 2014

9:30 – 2:30 (AM & PM sessions available)

Precision Manufacturing Institute (PMI), Meadville

A technically driven event focused on the advanced careers and opportunities in the manufacturing industry. Target Audience: 7th – 12th grade students.

- Manufacturing & software technology demonstrations
- Career exploration
- Hands on activities
- Breakout sessions
- Lunch provided upon request

Questions: e-mail techfest@nwpa-ntma.com.

TECHFEST – Friday, October 3, 2014 at Precision Machining Institute (PMI)

Sponsored by the Advanced Diversified Manufacturing Industry Partnership, the Northwestern PA Chapter National Tooling and the Machining Association (NTMA) and the Northwest Industrial Resource Center (NIRC).

During the day there will be activities in the shop area - machines will be operating, there will be a demonstration of 3D printing and an Industry EXPO will be available for guests to visit. Students may choose to participate in breakouts or attend any of the other events.

Breakout Sessions

9:30-10:15 am – three breakout sessions (choose one)

Careers, Kansius and the cure for cancer. Lori Dever, Training Coordinator for Industrials Sales and Manufacturing in Erie, PA shares how manufacturing at the Erie plant led to the production of high tech products including a machine on the experimental cutting edge of cancer treatment.

What exactly is Mechatronics? . . . and why you might love it! Most people hear the term “industrial maintenance” and picture a career changing lightbulbs and cleaning a manufacturing plant. This could not be further from the truth! Join instructors from PMI and experts from Nu-Tech Industries as they discuss one of the most cutting edge and demanding careers in industry today – Industrial Maintenance, also called MECHATRONICS!

Women in Engineering – Why making things is just not for the boys! Fastest growing fields . . . best jobs . . . where the jobs are. No matter what list you look at, engineering is there. Learn about engineering careers and the importance of young ladies pursuing that career path. This presentation will explain what engineers are, where the jobs are and how to get that degree in engineering. Hands-on learning is always involved when it comes to the Penn State Behrend Engineering K-12 Outreach Center.

10:30 – 11:15 – three breakout sessions (choose one)

High Tech Programming - beyond the making of video games! When many teens think of high tech programming, the video game industry quickly comes to mind. However many have chosen to take those same skills and apply them to high tech manufacturing! Join Scott McCausland, Adjunct Professor at Mercyhurst College and Programmer for Process and Data Automation for an engaging discussion on how his career ambitions transformed from making things move on screen - to making thing move in factories throughout our region!

3D Engineering – The next generation of manufacturing technology. 3D technology has brought a new dimension to manufacturing. This session will provide a basic introduction to 3D design and modeling plus additive manufacturing/3D printing technology.

___ **What is Nano Technology? Peter Kuvshnikov, Edinboro University.** A presentation and engaging demonstration on the changing face of Nano Technology over the last ten years and how it has changed the way we view materials. Don't know what nano technology is? Now is your chance to find out!!

11:15-12:30 Lunch (will be provide if requested by the school)

12:30-1:15 pm - repeat of the morning breakout sessions

___ **Careers, Kansius and the cure for cancer.**

___ **3D Engineering- the next generation of manufacturing technology**

___ **What is Nano Technology?**

1:30 – 2:15 pm – repeat of the morning breakout sessions

___ **What exactly is Mechatronics?**

___ **Women in Engineering - Why making things is just not for the boys!**

___ **High Tech Programming – beyond the making of video games!**