



### **Manufacturing Externship – Application in the Home School Acknowledgement\***

1. Educator Name: Lori Baker
2. School District and School: Blairsville-Saltsburg SD /Saltsburg Middle/High School
3. Date(s) of Manufacturing Unit: October 20, 2020
4. Length of lesson or unit: 1-2 Periods
5. Number of students: 100
6. Grade level of students: 6-8

Description of Activity: Advanced Manufacturing Career Exploration 101

What elements from your Manufacturing Externship were used in the preparation or delivery of the unit? (i.e. robot, PPTs provided, information gathered from discussions or tours, etc.)  
The elements that I used from my Manufacturing Externship were the robot, industry tour videos, PowerPoint information provide and pictures.

How were students engaged with the unit? What hands-on activities occurred?  
I created a Nearpod presentation encompassing all aspects of my experience and had the students watch a video relating to Mike Rowe and the skills gap. They also completed a self-paced module of advanced manufacturing careers. They were then asked to summarize their knowledge by completing a career artifact piece.

NearPod Link: <https://share.nearpod.com/e/WdP1zK796ab> / Class Code: BRQWV

Explain connections that were created/discussed between manufacturing careers and higher education.

How did students respond to the unit?  
Based on the career artifact that I had them do, the students had little knowledge of need for Advanced Manufacturers. Quite a few of the students have expressed interest in a career relating to Advanced Manufacturing.

Were parents involved or aware of the unit? What was their response to the activities?  
I asked the students to share the Mike Rowe video with their parents and provide me with feedback. The lesson was made using Nearpod so that students could share it with their parents. I have not received any feedback.

*A goal of this program is to make advanced manufacturing education and information available to high school students. As such, Penn College is attempting to build a repository of activities that can be used across the K-12 environment. In the subsequent pages, please provide additional information on the lesson/units you implemented so that others can implement similar activities in their classrooms. Please be sure to include any material lists, photos/evidence of student work (not of student participants), and any other relevant information required to implement in another school.\*By submitting this form, you acknowledge all information is accurate and correct to the best of your knowledge and you agree to the sharing of this information via publicly accessible websites.*

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