



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

1. Educator Name: Nicole Duarte-Turi
2. School District and School: muncy School District, muncy Jr/Sr High
3. Date(s) of Manufacturing Unit: 4/22 | 22
4. Length of lesson or unit: 1 class period
5. Number of students: 18 - will repeat for entire 8th grade 79 total students
6. Grade level of students: 8th

**Description of Activity:**

Presentation on manufacturing career opportunities. This includes need, job growth, what manufacturing jobs look like, and possible areas of study.

What elements from your Manufacturing Externship were used in the preparation or delivery of the unit? (i.e. mini mill, PPTs provided, information gathered from discussions or tours, etc.)

Used PPT provided - had mini-mill, but gave lesson in our shop w/ other materials & machines.

How were students engaged with the unit? What hands-on activities occurred?

During presentation they took guided notes and explored websites for higher education. Took place in class w/ access to 3D printing, CAD, and programming.

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

Directly talked about skilled workforce (from PPT) and options for training. Information from tour of Lycoming Engines.

How did students respond to the unit?

They responded to prompt about information presented.

Were parents involved or aware of the unit? What was their response to the activities?

Students received extra credit in the class for bringing home information sheet, sharing it with parents, and having parents sign it.

*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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