



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

1. Educator Name: *Jamie Kotarski*
2. School District and School: *SUN Area Technical Institute*
3. Date(s) of NDT Unit: *3.12.24*
4. Length of lesson or unit: *overall 2 hours*
5. Number of students: *16 students*
6. Grade level of students: *12th*

#### Description of Activity:

*Students created and welded a metal box. Afterwards, they performed a penetrant test.*

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

*Used the knowledge gathered from our workshop training on PT.*

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

*The students enjoyed this task. They had to use multiple skills to achieve the task. Measurements/layout, teamwork, PAC setup/cutting, press brake operation, squaring of bends, GMAW, and conduct a penetrant test on their weldment.*

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

*We discussed the courses that Penn College offers. I showed all the classes that are offered by using the website. [https://www.pct.edu/catalog/majors/NDT#catalog\\_Curriculum](https://www.pct.edu/catalog/majors/NDT#catalog_Curriculum)*

How did students respond to the unit?

*They really liked the change in our normal day-to-day operation. They seemed to like working with people they are not accustomed to, and at the end, they had a lot of good conversations on how to make their projects better. They liked performing the penetrant test compared to cutting their welds apart.*

Were parents involved or aware of the unit? What was their response to the activities? *N/A*

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*A goal of this program is to make NDT 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.