



NDT Externship – Application in the Home School Acknowledgement*

1. Educator Name: Ryan Webster
2. School District and School: Dauphin County Technical School
3. Date(s) of NDT Unit: June 10th-12th 2024
4. Length of lesson or unit: 45min
5. Number of students: 12/180 (12 per group/180 total)
6. Grade level of students: 6-8th

Description of Activity:

Students will attempt to use a magnetic yoke to test welds for cracks with minimal accuracy

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.)

I am planning on covering Magnetic Particle testing which we got to have a thorough demonstration as well as a hands on activity where we got to try it out. I hope to recreate this.

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

I am planning on doing this for career camp in June.

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

I imagine when we do this lesson, the students will make connections to popular careers such as welding.

How did students respond to the unit?

I am planning on doing this for career camp in June.

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

I am planning on doing this for career camp in June, we will find out then.

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

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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.