

Northern Lights Public Schools Mobile Trades Lab Welding Program Nelson Heights School

September 11, 2020

Dear Parents,

We are very excited that our students will have the opportunity to work in the NLSD Trades Trailer from September 14th through November 13th. Here, they will have the opportunity for some hands on experience with welding. All Grade 7 and 8 students have received a demo session in the trades trailer so that they can decide if this is something that they want to commit to. Depending on interest, students may receive anywhere from 6 to 10 sessions where they will learn how to weld.



Instructor: Daryl Heffernan (Journeyman Welder)

Please read through all of this information so that you have an understanding of the sanitization and safety protocols put in place so that our students are able to participate in this program.

Program Overview

The objective of the Mobile Trades Program is to provide students with awareness of apprenticeships and to provide students with “trade related skills” experience. The primary focus of the program this term is WELDING. The course work is a combination of theory and hands-on activities and projects.

Risks Associated with Welding

A hazard may be defined as something that has the potential to cause injury or damage to health. Potential welding-related hazards encountered by welders include electricity, radiation, flashes, heat, flames, fire, explosion, noise, welding fumes, fuel gases, inert gases, gas mixtures and solvents.

Mobile Trades Lab Safety and Procedures

Sanitization Protocols:

- Physical distancing between stations (max 6 students per session)
- Personal masks worn at all times, including during the welding process.
- Rubber gloves under welding gloves
- Hand sanitizer when entering/exiting the trailer
- Single-use welding aprons washed daily
- Welding masks and safety glasses sanitized between groups
- Students working in homeroom cohorts
- High touch area in each station will be sanitized between use.

The Mobile Trades lab experience has been designed with safety as our main consideration. Students will learn safety procedures in their first classes and then will review them at the beginning of each class. Students will be closely supervised.

Dress code:

- Student classroom masks must be worn when entering/exiting the trailer.
- Appropriate footwear must be worn at all times. Sandals and bare feet are not permitted.
- Remove all rings, bracelets, necklaces, and tie your hair back.
- Always wear the safety glasses

Use of tools:

- Before using the equipment or tools, you must first receive the necessary verbal or written instructions.
- For your protection, and that of others, always be alert and focus on the task at hand.
- At no time may you use a tool or machine if the instructor is not in the workshop.
- Under no circumstances are you to use any tools without the instructor's permission.
- Tools must be used appropriately, and only for their intended purpose.
- You MUST NOT distract another student while he or she is using a tool or equipment.
- Keep a safe distance of 2 meters from any person using a tool.
- Do not step away from any machine without first turning it off.
- Turn off machines before cleaning them.
- When finished with a tool put it back where it belongs. EVERY TOOL OR PRODUCT SHOULD BE IN ITS PLACE AT ALL TIMES.
- When a machine is in use, hearing protection is highly recommended not only for the person using the machine but also anyone in close proximity.
- All supplies and materials should be used carefully. Avoid contact with your mouth and eyes.

- All materials and products required for the completion of your project will be provided. Everyone learns by making mistakes; however CAUTIOUS USE OF SUPPLIES IS REQUIRED.
- If you feel that there is a dangerous situation in the workshop notify your instructor.
- If you have an accident (no matter how minor it may seem) or you witness an accident, notify the instructor.
- If you have any doubts or questions, ASK. Your instructor is there to help you.

In the trailer, the following is PROHIBITED:

- Wearing inappropriate or inadequate clothing.
- Running.
- Horsing around.
- Pushing.
- Throwing (including items into the garbage can).
- Eating or drinking.
- Distracting others.
- Using a tool in a dangerous manner.
- Intentionally wasting products and materials.

Cleanup

Cleaning is a part of safety instructions. A messy workshop contributes to accidents. At the end of every class all students are responsible for putting away unused supplies, materials and tools and to clean up all work spaces.

Most of the above safety rules are simply common sense. If a student refuses to follow these rules they put themselves and others in danger, and will be removed from the program.

Intent to Participate Form

Student and parent please sign and return this form to your homeroom teacher only if you are interested in participating in this program.

I have read and understand the objectives and safety procedures of the Mobile Trades Program. I agree to fulfill expectations and commit to following the instructors directions fully.

Student Name (print)

Student Signature

Student Homeroom: _____

I have read and understand the risks and safety procedures of the Mobile Trades Program and I approve of my child's participation in the Mobile Trades Program.

Parent Name (print)

Parent Signature

Date