



VRSkills workshop

Group:

Kai V, Katie B, Zach L,
Jai S, Will S

Over two days, we were tasked with making a virtual reality simulator to teach the users about the safety requirements of woodwork machines as an interactive alternative to onGuard safety tests

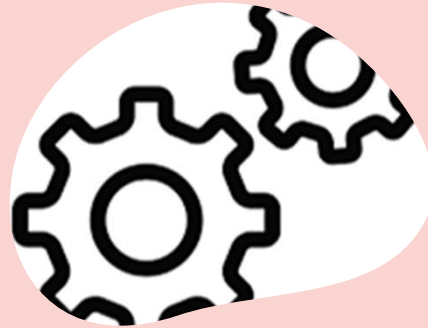
—Project Brief Analysis

Team Roles



Kai V

Project Manager



Will S

Production Team



Jai S

Technical Developer

Team Roles cont.



Katie B

Content Creator



Zach L

Content Creator

Tools we're making safety tests for

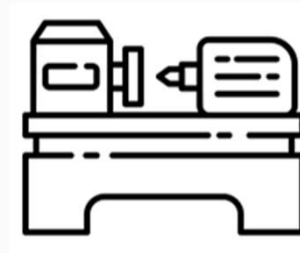
Band Saw



01

02

Lathe



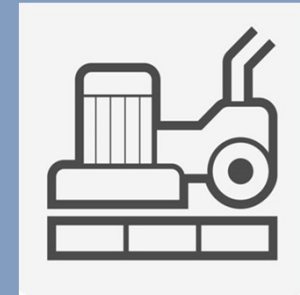
Laser Cutter



03

04

Drum Sander



Safety Posters

BANDSAW SAFETY PROCEDURE

- Equip Safety Gear**
Put on eye protection, a dust mask, tie your hair up, ear muffs, leather boots and an apron
- One Person Operating**
Only one person is allowed to operate and be inside of the safety line
- Adjust to Correct Height**
Adjust the height of the bandsaw to be at the correct height of the material you are using
- Don't Cut Your Hands**
Make sure to not place your hands in front of the line of bandsaw
- Do Not Leave Unattended**
Do not leave the bandsaw unattended while it is in motion. Do not leave the machine when finished until it has come to a complete stop

Bandsaw

LASER CUTTER SAFETY PROCEDURE

- Prepare**
Prepare your material that is being cut. Ensure it is placed properly and you have the right settings.
- Check Ventilation**
Ensure that the ventilation is ON before you start using it.
- Check design**
Ensure your design is correctly configure (Blue & Black is Etch, Red is cut)
- Get Checked**
Get teacher to check your configuration **BEFORE** attempting to start.
- Do Not Leave Unattended**
Never leave the laser cutter unattended when in operation.

Laser Cutter

DRUM SANDER SAFETY PROCEDURE

- Wear Safety Gear**
Ensure that you are wearing Safety Glasses, Ear plugs, Leather boots and a Protective Mask.
- Check Height**
Measure the height of your wood and adjust accordingly
- Get Checked**
Get your teacher to check that your configuration is correct.
- Mind your Hands!**
Never touch the conveyor or any other moving part when the machine is active.
- Do Not Leave Unattended**
Never leave the Drum Sander unattended when in operation.

Drum Sander

LATHE SAFETY PROCEDURE

- Equip Safety Gear**
Ensure you are wearing Safety Glasses, Ear muffs, Closed in shoes, A Face Guard and that your hair is tied back.
- One Person Operating**
Only one person is allowed to operate and be inside of the safety line
- Ensure Placing is Secure**
Ensure that the placing for the wood is secure. Ensure the angle is up. Ensure that you **do not** chisel from below.
- Mind your hands**
Never put your hands near the object that is being Lathed.
- Do Not Leave Unattended**
Do not leave the bandsaw unattended while it is in motion. Do not leave the machine when finished until it has come to a complete stop

Lathe

Planning and Storyboarding

Plan 1

- Shows layout of hallway and 2 tech rooms
- Assigns rooms to a scene
- Rough location of 3 machines

Plan 2

- Shows layout of hallway and 3 tech rooms
- Assigns rooms to a scene
- Correct location of machines
- Shows safety signs

Plan 3

- Shows layout of hallway and 3 tech rooms
- Assigns rooms to a scene
- Correct location of machines and safety signs
- Shows voiceovers and videos

Why is teamwork so important?

Kai

Team Works

Jai

Teamwork is important because it allows you to complete multiple tasks at the same time as opposed to one at a time

Zach

Teamwork is important because without it you can only do so much. 2 people can do double what 1 person can do

Will

Teamwork is important to me because it means the collaboration of multiple people with different skills come together to create something amazing

Katie

Teamwork is important because other people can have different skills that help when doing or making something

What we have learnt?

All of us have learnt many new and useful skills we can further explore and implement in the future.

Skills

- 360° photographs
- Editing 360° photos
- Importing photos, 3D models, sounds onto 4Dpresent software
- Using 4Dpresent software

Woodwork safety

- Using tools and equipment safely
- What to do about emergencies

Presenting our project

