This syllabus is intended to aid instructors in providing training for this tool, and for quick reference by existing users. It is not intended to teach you the tool by itself.

1. Safety

1.1. PPE

- Safety glasses required
- Hearing protection required
- Respirator recommended

1.2. Risks

- The tool will pull material into it. Keep a light grip of your material and be prepared to release it immediately.
- Long hair must be tied back.
- No loose clothing or cables.
- No loose jewellery or watches.
- No gloves.

2. Startup checks

2.1. Surrounding area cleared of obstacles

- You will need space greater than the length of the material on *both* sides of the tool.
- Ensure that other users do not need to pass the tool while it is in use.

2.2. Tool clear of objects

2.3. Table wheels locked

2.4. Cutters are raised high enough that material can pass through easily when tool is off

- The cutters should remove at most 0.16" **TODO: CHECK** per pass.

3. Usage

3.1. Starting the machine

- Ensure the main ventilation fan is running.
- Tap your tag on the access control box.
- Release the E-stop.
- Press the switch to start the motor.

3.2. Stopping the machine

- The E-stop should only be used in emergencies.
- Ordinarily, the machine should be switched off using the power switch.
- Remember to log out if leaving the machine unattended.

3.3. General

- Keep the workpiece straight as it passes through the tool.
- Slowly press material into the tool until it grips and begins pulling.
  - Keep a loose grip on the material - be aware that it may 'pull' or 'buck' and this should not be fought.
  - When the tool begins pulling material through, stop pushing and keep it straight.
- Monitor the cut depth indicator to ensure it does not rise to dangerous levels **TODO: WHAT DO IF DOES?**
- If the material overhangs the tool by a significant amount, ask for another member's help to hold it as it emerges from the far side of the machine.
- Do not allow your hands to enter the metal "roller table" at any point while the machine is powered on.

- Decrease the cutting height by an amount between half and two-thirds of the safe maximum (to account for variability in the surface height.)

3.4. Materials

- Only wood can be used with the planer-thicknesser.
- Soft woods can have more material removed at once than hard woods.
- The side of the material opposite the side being planed or thicknessed must be flat enough that the workpiece is stable.

3.5. Cleaning up

- Turn off the tool and depress the E-stop. Log out of access control.
- Hoover up any dust which may have accumulated.

4. Maintenance

4.1. General

- Contact tools@edinburghhacklab.com if the machine does not operate as expected.

5. Other