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| **PLANES & SCRAPERS****BELT SANDER** |
| **DO NOT** use any hand tool unless a teacher has instructed you in its safe use and operation and has given permission |
| D:\bclar52\Desktop\Pictures - ITD Plant & Equip\Hand Tools\planes-try-jack-smooth.jpg |
|  |  | Safety glasses must be worn at all times in ITD practical workshops. |  |
|  | Foot Protection circle | Appropriate protective footwear is also required when using planes. |

Department of Education

Organisational Safety and Wellbeing

**This range of hand tools will usually include the following:**

* **Jack plane** – *No.5***, smoothing plane** – *No.4***, and jointing plane or try plane** *– No.7*
* **Block plane, router plane and rebate plane**
* **Spokeshaves** *– Flat and convex sole*
* **Cabinet scrapers**
1. **Torque Wrench**
2. **Pipe wrench or stillson wrench**
3. **Allen Keys**

**POTENTIAL HAZARDS AND RISKS**

**■ Lacerations from sharp cutting edges ■ Pinch and squash ■ Eye injuries**

**HOUSEKEEPING**

1. **Leave the work area in a safe, clean and tidy condition.**
2. **Return all wood planes and spokeshaves to their appropriate storage cupboard – CAREFULLY.**
3. **Sharp edges must be protected. Store these tools where their blades cannot be damaged or become a hazard.**
4. **Regularly maintain wood planes and spokeshaves. Blades must be sharpened and honed as often as necessary, by an ITD teacher or qualified TA.**

**Date of last review:**  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Signature:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**OPERATIONAL SAFETY CHECKS**

1. **It is important to choose the right wood plane or scraping tool for the job. They will vary widely, and are all designed for specific purposes.**
2. **Ensure the blade has been sharpened, honed and secured to its backing iron firmly. Carefully inspect the protrusion of the blade. Ensure it is “set” correctly for the operation intended.**
3. **Secure the work piece for planing, shaping or smoothing. Use a vice, clamp, stop or hold-fast.**
4. **Always plane at a comfortable height. Use both hands to hold and push the wood plane.**
5. **Spokeshaves and cabinet scrapers however, are more often drawn towards the operator.**
6. **All planes and spokeshaves must be used with particular care to protect the protruding blade from accidental damage.**