Unit 108: Wood occupations

# Worksheet 15: Power tool hazards (tutor)

1. State the common hazards when using the power tools listed.

|  |  |
| --- | --- |
| **Power tool:** | **Common hazard:** |
| Router | * Moving the router against the direction of cut * Not waiting for the cutter to stop rotating before being put down * Trying to remove too much stock in one pass * Not inserting the cutter at a sufficient depth into the collet |
| Biscuit jointer | * Not ensuring the base is held tight to the edge when plunging * Not cramping the workpiece down before plunging |
| Chop saw | * Not providing end support for long timber * Not cramping the component to the machine base * Holding the timber down to the base too close to the saw blade * Using the incorrect type of blade |
| Hand-held circular saw | * Not setting the saw blade with a minimum projection when cutting materials * Trying to cut material greater than its capacity * Not securing the material being cut while being cut * Not keeping your remote hand away from the cutting path |

1. List the reasons why the blade or cutter below may become unusable and require maintenance or replacement.

|  |  |
| --- | --- |
| **Blade or cutter type:** | **Reason:** |
| Circular saw blade | * Blunt teeth * Loss of set * Blade has developed ‘black eyes’ * Blade has lost tension |
| Planer irons | * Gaps in plane irons * Dull plane irons * Broken plane irons |
| Router cutter | * Dull cutting edges * Bent shank * TCT edge missing on one of the two cutting edges |