

## Machine Safety Assignment

The safe use of tools and machinery is the most important thing you will learn in Construction Technology. This assignment is designed to help you understand about the various machines in the shop and how to use them safely.

### Assignment:

Using the list of machines below, research the following information and present it in the form of a report (one page per machine).

1. Describe what the machine is used for (be specific).
2. Explain how the size of the machine determined.
3. **Create** a picture of the machine labelling **all** the important parts such as adjustments, safety devices, moving parts etc. Don't insert diagrams that are already labelled.
4. List at least 5 **unique** safety rules required to operate the machine.

### Machines:

- |                               |                         |
|-------------------------------|-------------------------|
| 1. Sliding Compound Mitre Saw | 5. Band Saw             |
| 2. Jointer                    | 6. Drill Press          |
| 3. Thickness Planer           | 7. Belt and Disk Sander |
| 4. Table Saw                  |                         |

### Evaluation:

Your mark will be based on the following criteria:

- |  |          |
|--|----------|
| 1. Title Page.                         | ...../10 |
| 2. Subtitles and one machine per page. | ...../10 |
| 3. Purpose of machine.                 | ...../3  |
| 4. How size is determined.             | ...../2  |
| 5. Labelled drawing.                   | ...../5  |
| 6. Safety rules.                       | ...../5  |

Total: ...../15 x 7 machines = ...../105

**Total Marks: ...../125**