

## Knowledge Assessment - 24350 (v5) – Identify, select, maintain, and use power tools for BCATS projects

**Student name:**

1. This question is to test your knowledge of what eight different power tools are best used for and their capabilities and limitations. Complete the following table for eight tools. If you used them for one or more project, please also indicate which one you used it for.

|           | <b>Name of power tool.<br/>(Minimum 8 required)</b> | <b>What is it used for?</b>   | <b>What makes it a good choice to use it for that/those task(s)?</b>                        | <b>What would be different about that/those task(s) that would cause you to select a different tool?</b>           | <b>Project 1 ✓<br/><i>(Tick if you used it for your project.)</i></b> | <b>Project 2 ✓<br/><i>(Tick if you used it for your project.)</i></b> |
|-----------|---|---|---|--|---|---|
| <b>Eg</b> | <i>Cordless drill</i>                               | <i>To drill the holes required to fix the stainless steel screws into the joists of the small deck.</i> | <i>Not having to run power cord cables enhances the safety aspect when working outside.</i> | <i>For a bigger deck a general purpose drill could be used to eliminate the need to keep recharging batteries.</i> | X   |   |
| 1.        |   |   |   |  |   |   |
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2. Complete the following table for the tools you listed in the first table.

|           | <b>Name of power tool (Minimum 8 required)</b> | <b>What PPE needs to be used?</b>        | <b>Describe, safe use of this tool.</b>  | <b>What care and maintenance is required to keep this tool in good working condition?</b>                            |
|-----------|--|--|--|--|
| <i>Eg</i> | <i>Cordless drill</i>                          | <i>Safety glasses, ear muffs, shoes.</i> | <i>Secure smaller objects and materials with a clamp or vice.<br/>Don't put pressure on the drill.<br/>Only use sharp drill bits.<br/>Clear debris from the flutes of the drill bit.</i> | <i>Wipe down after use. Store in the container or on a rack. Put the battery on to charge after using the drill.</i> |
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Assessor comments and sign off:

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|--|---|
| Comments:  |   |
| Assessor name: .....<br>Assessor signature:.....<br>Date:..... | <b>RESULT:</b><br>A = Achieved,<br>N = Not Yet Achieved |