# Worksheet – 24350 (v2) Identify, select, maintain, and use portable power tools for BCATS projects

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| **Student name:**  |

1. Answer the following questions for the portable power tools in the picture.



(a) What is it called, and what is it used for?

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What are **FOUR** safety precautions to be taken before and while using it?

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What PPE should you wear when using it?

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What regular maintenance and care does the tool need?

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(c) What is it called, and what is it used for?



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What are **FOUR** safety precautions to be taken before and while using it?

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What PPE should you wear when using it?

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What regular maintenance and care does the tool need?

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(c) What is it called, and what is it used for?



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What are **FOUR** safety precautions to be taken before and while using it?

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What PPE should you wear when using it?

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What regular maintenance and care does the tool need?

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(d) What is it called, and what is it used for?

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What are **FOUR** safety precautions to be taken before and while using it?

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What PPE should you wear when using it?

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What regular maintenance and care does the tool need?

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(e) What is it called, and what is it used for?

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What are **FOUR** safety precautions to be taken before and while using it?

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What PPE should you wear when using it?

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What regular maintenance and care does the tool need?

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(f) What is it called, and what is it used for?

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What are **FOUR** safety precautions to be taken before and while using it?

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What PPE should you wear when using it?

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What regular maintenance and care does the tool need?

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(g) What is it called, and what is it used for?

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What are **FOUR** safety precautions to be taken before and while using it?

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What PPE should you wear when using it?

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What regular maintenance and care does the tool need?

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(h) What is it called, and what is it used for?

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What are **FOUR** safety precautions to be taken before and while using it?

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What PPE should you wear when using it?

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What regular maintenance and care does the tool need?

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(i) What is it called, and what is it used for?

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What are **FOUR** safety precautions to be taken before and while using it?

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What PPE should you wear when using it?

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What regular maintenance and care does the tool need?

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(j) What is it called, and what is it used for?

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What are **FOUR** safety precautions to be taken before and while using it?

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What PPE should you wear when using it?

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What regular maintenance and care does the tool need?

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1. What are the possible consequences of failing to disconnect a power tool from the power source before adjusting the tool?

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1. The power lead that you are about to use has a kink inside the outer case. What does this indicate and is the lead safe to use?

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1. You have been instructed to finish a solid timber bench top in preparation for the spraying of its finish coat. The selection of power tools that you have to choose from are listed below:

**Orbital sander Belt sander In-line sander**

**Disc sander Palm sander**

Which of these sanders will do the job in the least amount of time?

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Which will give you the best finish?

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Which of the above sanders would be least suited to the task? Explain why you would not use it for finishing work:

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1. You are preparing a router for use. List **THREE** safety checks that you should carry out before plugging in the machine.

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1. You are ripping a length of timber down to width using the skill saw. What can you do to help prevent the timber jamming on the blade?

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1. Describe the potential consequences of machining work that is not securely attached to the bench.

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1. If your power tool starts to smoke, what should you do?

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1. You have just finished sanding the top of a table with the orbital sander and the surface shows visible semicircular scratch marks. What could have caused these scratch marks?

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1. How and where should power tools be stored?

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