# Activity 1 – 24350 (v2) Identify, select, maintain, and use portable power tools for BCATS projects

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| **Student name:** |

1. Describe a range of safe working procedures that are appropriate to setting up a safe working environment:

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

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1. Describe the advantages and disadvantages of each of the power sources:

AC mains powered tools

Advantages:

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Disadvantages:

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Cordless power tools

Advantages:

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Disadvantages:

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Pneumatic tools

Advantages:

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Disadvantages:

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1. Why should you never carry a power tool by the lead or unplug it by pulling on the lead?

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1. What hazards are associated with laying extension leads directly on the ground?

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1. The outer casing of an extension lead is damaged. What could this indicate?

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1. What should you do if you find a kink in the lead?

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1. How should leads be wound up and stored?

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1. What is likely to happen if you roll your leads up in a tight knot or ball?

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1. In the space provided sketch the set up required to safely operate a power tool in an outdoor environment over damp ground:

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1. What could happen if you cut through a live extension lead?

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1. What are the hazards associated with using a power tool with a blunt cutter?

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1. What does smoke coming from a power tool, or one that smells of burning, indicate and what should be done to remedy the situation?

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1. What are the effects of having clogged or blocked air vents on the machine?

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