# Activities 2, 3, and 4 – 24351 (v2) Demonstrate knowledge of and use specified fixed machinery in the construction of BCATS projects

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| **Student name:** |

**Note:** Activity 1 is a practical activity and so cannot be completed outside of a workshop.

## Activity 2

1. What advantage do we gain by placing the fence on the lower side of the cut?

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1. If your blade is blunt, what will happen to your cut?

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1. What advantage does a well set up band saw have over a circular saw when ripping or crosscutting?

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## Activity 3

1. What is the risk of backing the blade out of a cut (particularly a curved cut)?

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1. When cutting tight curves or angles, what can be done to free the blade up and prevent binding on the corners?

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1. The shaded areas shown below indicate the panels that are required. Show the release cuts required to achieve an efficient, smooth and flowing cut.

## Activity 4

1. What would happen if you tried to carry out the cuts shown below without the vee blocks?

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| bsawbev1 | bsawbev2 |

1. What is the risk involved in not using a push stick?

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1. What is the hazard of wearing gloves or rings when using the band saw?

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1. What does a clicking noise as the blade rotates indicate?

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1. What is the hazard of standing to the right of the blade?

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