

## Learner Self-reflection 3 – 24351 (v3) Demonstrate knowledge of and use fixed machinery in the construction of BCATS projects

**Student name:**

- 1 What are the main advantages of cutting techniques over scraping?

- 2 What are the advantages of wearing a full-face shield compared with safety glasses?

- 3 What could happen if, when setting up a wood lathe to turn a large piece of timber (e.g. 300mm in diameter), the top speed was incorrectly selected?

- 4 What could happen if the centre was driven into the stock while it is still mounted on the lathe?

- 5 Why should a steel hammer never be used to drive the centre in?

6 What does a high-pitched squealing noise coming from the tailstock indicate and how can it be stopped?

7 What will tend to happen if a lathe is set with a large gap between the tool rest and the work?

8 What can happen if the tool rest is not properly locked in place?

9 What would cause these surfaces to not be even after joining?

