

## APPENDIX D

### The Hammer: Activity 3 Engineering Report Check Brick

#### Knowledge

- Is there evidence of the Student's research / shop notes and journal in the report ?
- Is there some written/verbal evidence of the Student's knowledge on machining techniques ? :
- Is there verbal / written evidence of knowledge of Speeds and Feeds ?
- Is there verbal / written evidence of knowledge of types of tools used ( 2 flute end mills, taps etc.) ?
- Is there verbal / written evidence of knowledge of machining processes ( face milling , end facing, centre drilling , etc.) ?

#### Thinking

- Has the Student explained their use of process planning skills ?
- Has the Student explained and shown critical thinking in the sequence of machining steps ?
- Can the Student explain the sequence of steps and what may go wrong if they are not followed ?
- Can the Student describe a separate sequence of steps to another simple project ?

#### Communication

- Has the Student used correct tooling terminology in the interview ?
- Has the Student used correct machining terminology in the interview ?
- Is there some evidence of technical vocabulary during the interview ?
- Can the Student describe their use of a technical drawing as a means of communicating information ?

#### Application

- Does the Student convey a transfer of knowledge during the interview ?
- Does the Student convey how their shop skills were transferred and used for the project ?
- Can the Student apply their skills and explain how they would use them for an alternate project ?
- Can the Student describe how they would apply their skills to other projects in the future or to their career pathway ?