

Subject
Product Design
Funky Frame Picture Frame

Year and Term
Year 9 – Rotation 1

Time of Assessment
End of each 6 week module

Knowledge to be Assessed:

- Understanding the advantages and disadvantages of using CAD to produce design ideas.
- Understanding the correct and safe use of the Band Saw. Also, how the Band Saw operates.
- Understanding the 6 main reasons for product packaging and how it's implemented into everyday items.



Skills to be assessed:

- Students will be able to use a band saw safely and correctly.
- Students will be able to produce a 3D CAD drawing using Sketch Up.
- Students will be able to accurately mark out and apply a finish to their final design.

Resources to help Revision:

- **Basics of using Sketch Up** - [SketchUp Tutorial for Beginners - Learn SketchUp in 10 MINUTES | \(SketchUp Free 2022\) – YouTube](#)
- **Introduction to the Band Saw** - [THE BAND SAW \(technologystudent.com\)](#)
- **Packaging** - [The Functions of Packaging \(technologystudent.com\)](#)

Grade Descriptors: How the assessment is graded?

- Grade: E (Emerging)** - Students are forming basic skills and knowledge. **Subject Specific:** Students follow basic instructions with guidance.
- Grade: D (Developing)** - Students have a basic knowledge of key content and skills. **SS:** Students can follow basic instructions independently.
- Grade: C (Secure)** - Students can use knowledge and skills to describe and begin to make links between concepts. **SS.** Students show good understanding of concepts.
- Grade: B (Advanced)** – Students have the confidence to apply detailed knowledge and skills to explain/design and evaluate ideas.
- Grade: A (Mastery)** – Students apply a diverse range of knowledge and skills in a sophisticated way to achieve a high quality final product.