

Grade 8: Production Technology Module

Unit 1 – Big Ideas

- Topic 1: Introduction to Production Technology
- Topic 2: Properties of Materials
- Topic 3: The Production Process
- Topic 4: Tools and Machines
- Topic 5: Aesthetics
- Topic 6: Ergonomics, Health and Safety
- Topic 7: Product Development
- Topic 8: Careers in Production Technology

Unit 2 – Basic Skills

- Topic 1: Interpretation of Technical Drawings
- Topic 2: Development of Technical Drawings
- Topic 3: Production Tools – Selection and Usage
- Topic 4: Production Planning and Implementation Overview

Unit 3 – Design Activity

- Topic 1: The Design Team and the Design Portfolio
- Topic 2: Identification of the Problem Situation (Step 1)
- Topic 3: Development of the Design Brief (Step 2)
- Topic 4: Investigation and Research (Step 3)
- Topic 5: Identification of Possible Solutions (Step 4)
- Topic 6: Selection of the Best Solution (Step 5)
- Topic 7: development of the Solution (Step 6)
- Topic 8: Evaluation of the Solution (Step 7)
- Topic 9: Presentation of the Report (Step 8)

Evaluation

Classroom Projects	20%
Computing Skills	20%
Portfolio (Design Activity)	60%