



# CURRICULUM OVERVIEW FOR DT-GRAPHICS

KS3

**YEAR 7**

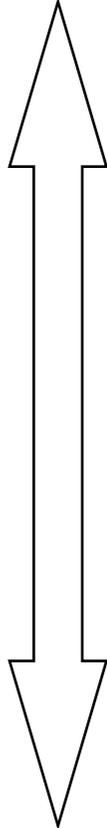
**Subject Knowledge**  
Smart materials  
Harry Beck

**Key Skills**  
Isometric Projection  
Adobe Photoshop

**YEAR 8**

**Subject Knowledge**  
Scales of production  
CAD/CAM  
Alberto Alessi

**Key Skills**  
TechSoft 2D Design  
Annotation  
Google Sketchup



**Courses Delivered  
10 week Rotations**

**HALF TERM 1**

**HALF TERM 2**

**HALF TERM 3**

**YEAR 9**

**Subject Knowledge/ Key Skills**  
Perspective drawing  
Adobe Photoshop development  
Apple

**Subject Knowledge/ Key Skills**  
Product Analysis  
Techsoft 2D Design development  
6Rs

**Subject Knowledge/ Key Skills**  
Third Angle Orthographic Projection  
Google Sketchup development  
Product lifecycle



# CURRICULUM OVERVIEW FOR DT-GRAPHICS

KS4

**HALF TERM 1**   **HALF TERM 2**   **HALF TERM 3**   **HALF TERM 4**   **HALF TERM 5**   **HALF TERM 6**

**YEAR 10**

Perspective drawing (two point)  
Smart/modern materials  
Photoshop/2D Design

Isometric projection  
Use of laser cutter/ vacuum former machine.  
Work of others: Alessi/ Apple

Energy generation and storage  
Social, moral and environmental issues

Google Sketchup/ 3D printer  
Properties of paper/ boards/ polymers  
Printing/ finishing

Work of others 2  
Mathematical problems

Beginning of research for the **Non-Exam Assessment (NEA)**, worth 50% of overall GCSE grade.

**YEAR 11**

**NEA**  
Research.  
Design brief specification.  
Initial designs / develop  
Development

**NEA**  
Prototype building  
Testing in use  
Developing ideas

**NEA**  
Final product build  
Testing with user  
Evaluation

**Revision**

**Revision**

**END OF EXAMINATION PERIOD**

**Single Award DESIGN AND TECHNOLOGY - 1 GCSE**

**Non Exam Assessment (NEA):** 50% of GCSE

The time allowed for NEA is 30-35 hours.

**External Exam assessment:** 50% of GCSE

Written exam: 2 hours