

Y9 Design Technology: Light Project

1

Pre Assessment:
Task Analysis – What do you know about the project?

2

Home Learning & Key Words Spellings Test

Researching the work of others

DRD, TnT techniques & use of 3D drawing skills (crating)

Application of Skills and Knowledge

Reflection & evaluation

6

Teacher PINS Assessment

How well have I manufactured my final light?

5

Finishing techniques & final construction – QA & QC

4

Self Assessment
How well have I used CAD to design and model a functioning lightshade?

Workshop H&S – Belt sander, Hegner saw, pillar drill & hand tools

3

Peer Assessment
How well have I used inspiration from the work of others to create ideas for a light?

Accuracy and marking out – tolerances, QA & QC

Monitoring my Progress

Task	Date Completed
1	
2	Score:
3	
4	
5	
6	

Links to Prior Learning

- **Design** – extend skills from Y8 to develop and communicate design ideas using annotated sketches, 3-D modelling and computer-based tools (CAD)
- **Make** – use practical knowledge and skills from Y8 to select and use specialist tools, techniques, processes, equipment and machinery precisely
- **Evaluate** – use prior knowledge of specifications from Y8 to test, evaluate and refine ideas and products against a specification

Key Words

Design brief, task analysis, specification, three-dimensional, crating, isometric, CAD – computer aided design, CAM – computer aided manufacture, rendering, prototype, evaluate