

Sets (s):

YEAR 11 – LP1 – NEA Coursework

SUBJECT Investigation

KNOWLEDGE FOCUS: To complete the CAT coursework based on a project chosen from a choice of 2 contextual challenges.



This half term : Skills, Knowledge and Understanding to be developed:

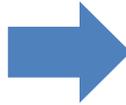
- To complete the Analysis into a problem.
 - To complete the user requirements
 - To complete the user profile including user needs and wants.
- Literacy- WL2, WG1, WG3, WG5, & WG7c

Key Terms to be learned this half term:

Design, technology, wood, hardwood, softwood, Ergonomics, Anthropometrics, forming, Production plan, ACCESS FM, planning, research, product analysis, measurements, safety glasses, practical, evaluation.

Week 1 and 2 Learning Objectives etc:

- Looking at areas and opportunities in which designs can take place.
- Identifying a problem and researching into what possible projects could be thought of to solve this problem.
- Complete a mindmap with these
- Simple questions are being asked by the student Who? Why? How? Keeps an open approach.
- Conclusion about what their challenges is going to be and why they have chosen it.



Objective assessments:

To be able to identify a problem and analyse the possible projects that could answer this problem

Homework

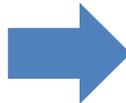
Look into possible problems for the project. Try and ask your family for suggestions. Bring 3 ideas to the next lesson.

Skills:

Digital Literacy, research, problem solving

Week 3 and 4 Learning Objectives etc:

- Once students have come up with a problem they will need to write out a few design brief stating their intentions.
- Design briefs will be a short statement of intent.
- They will start with 'I will design and make a.....'
- They will then finish off this start with a brief paragraph stating what they will do for the project.
- Students need to produce 2 briefs and pick their preferred.



Objective assessments:

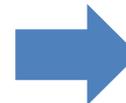
To write two complete design briefs explaining their intentions.

Skills:

Problem solving, literacy

Week 5 and 6 Learning Objectives etc:

- After completing the design briefs students need to write their specification.
- The specification is a list a specific features the project MUST include.
- Function, sustainability, cost, customer, aesthetics, environment, materials, maintenance, materials. These are all topics that need commenting on in the specification.
- They will need to then justify and evaluate each topic and refer back to the problem.
- Then order them in a hierarchy of importance.



Objective assessments:

Their completed specification should be detailed and each topic must be justified and evaluated.

Homework:

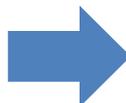
Come up with 10 topics to write your specification. These will need to be in order of importance.

Skills:

Problem solving,

Week 7-8 Learning Objectives etc:

- As a part of their research they will need to gather research.
 - They need to look into products that are on the market. 4 SWOT analysis to be completed.
 - Two formal product analysis using ACCESS FM.
- Also they will have to look into present companies and designers and produce a page looking into one of these.



Objective assessments:

Detailed and relevant research into similar products and companies.

Homework:

To find 4 images of similar products to write their SWOT analysis.

Skills: