

Mini MOCK NEA

Project Outline

In this unit, you will further consolidate your 3D drawing & design communication skills and combine this with research skills to practice how to respond to an NEA context for sections A,B,C, D and F

Project Context

The real NEA is worth 50% of your final GCSE grade, the design contexts for this is released on June 1st . In this cycle you will be prepared how to respond to a context effectively by looking at examples and studying the mark scheme. WE have made the context up for this cycle and it is 'Safe and Effective Illumination'

Learning Objectives of cycle:

- Students will understand how to analyse a context effectively, select a client and use them appropriately for their NEA
- Students will identify how to attain higher marks in both the NEA and the examination.
- Students will be able to apply techniques and skills to own design development and communication of ideas.
- Students will develop the ability to respond to examination style questions on design & make principles.



What is the NEA, why are we doing this?

- The NEA is your Non examination assessment, worth 50% of your final GCSE
- To ensure you understand the marking criteria for your NEA
- To understand how your CAD and drawing skills can be used effectively for sections C&D
- To understand the importance of a real client and how to utilise them effectively for your NEA

Week	Content	Completed?	
		Y / N	EFFORT
1&2 SECTION A	<p>Lesson 1</p> <ul style="list-style-type: none"> • Introduction to NEA and the Design Context • Create mind map around Safe and Effective Illumination • Identify a client from with the class • Begin Thinking of questions for Client interview • Look at the mark scheme for section A <p><i>Homework 1: Draft a list of 10 Questions for your client</i></p> <p><i>Challenge: Add further potential questions options for 2/3 questions For example, if they say they shop in ikea, ask them why they like shopping there</i></p> <p><i>Further Challenge: Add further questioning options for 5 questions</i></p> <p>Lesson 2</p> <ul style="list-style-type: none"> • SET up Google classroom (template will be given for each piece of work in GC) • Add context analysis to Google classroom document • Write a conclusion on Context analysis page <p>Lesson 3</p> <ul style="list-style-type: none"> • HW Review, look at classes questions for client interview • Client Profile and client Interview, add to Google classroom document and conduct the interview 		
WWW	EBI		

Week	Content	Completed?	
		Y / N	EFFORT
1&2	<p>Lesson 4</p> <ul style="list-style-type: none"> Existing Product Research Explain links to SECTION F—EVALUATION <p><i>Homework 2: To complete 1 Existing Product Research on a lighting product from home, you must take pictures of your product</i></p> <p><i>Challenge: Sketch a redesign of your product from home</i></p> <p><i>Further Challenge: Complete a second product analysis on a product from home, with a redesign sketch</i></p> <p>Lesson 5</p> <ul style="list-style-type: none"> Existing Product Research and conclusion in Google classroom, using the mark scheme to check on track 		
3&4 SECTION B&C	<p>Lesson 6</p> <ul style="list-style-type: none"> Design Brief Design Specification <p>Lesson 7</p> <ul style="list-style-type: none"> Design Brief Design Specification <p><i>Homework 3: Draw a range of design ideas to solve your clients design problem</i></p> <p><i>Challenge: Render the objects using an appropriate technique.</i></p> <p><i>Further Challenge: Try draw one of your designs using Google Sketch up</i></p> <p>Lesson 8</p> <p>Introduction to section C, Look at the mark scheme</p> <ul style="list-style-type: none"> Understanding design fixation and how to avoid it Understanding ITERATIVE DESIGN Jack straws and Ska-doodle quick designs RE-cap 3D Drawing techniques Initial Design Ideas <p>Lesson 9</p> <ul style="list-style-type: none"> Google Sketch-Up Design ideas—Have 6 ideas minimum in the template in GC, Evaluating our designs WWW/EBI this is section F Explain links to SECTION F—EVALUATION <p><i>Homework 4: Complete all evaluations for your designs in section C</i></p> <p><i>Further Challenge: Include quick development sketches for each design</i></p> <p>Lesson 10</p> <ul style="list-style-type: none"> Design ideas-Finish Section C, must include some CAD and a range of drawing techniques 		

Week	Content	Completed?	
		Y/N	EFFORT
5&6	<p>Lesson 11</p> <ul style="list-style-type: none"> SECTION C Review Make improvements to Section C <p>Lesson 12</p> <p>INTRODUCTION TO SECTION D</p> <ul style="list-style-type: none"> Paper and Card Model making <p><i>Homework 5: Make models with materials from home for 2 designs you'd like to develop, take pictures and add to template</i> <i>Challenge: Explain why you used the materials you used, what physical properties made it suitable</i> <i>Further Challenge: Suggest other materials you could use and why</i></p> <p>Lesson 13</p> <ul style="list-style-type: none"> Paper and Card modelling write up, use mark scheme <p>Lesson 14</p> <ul style="list-style-type: none"> SECTION F—EVALUATION, checking each section for effective Evaluation, client feedback Self review and planning for end of cycle test <p><i>Homework 6: Revision planning for test</i> <i>Challenge: Write your own questions to practice responding to - what do you think will come up on the test?</i> <i>Further Challenge: Write your own questions to practice responding to - what do you think will come up on the test?</i></p> <p>Lesson 15</p> <ul style="list-style-type: none"> End of cycle test, Design Specification, design, developing ideas, and evaluating 		

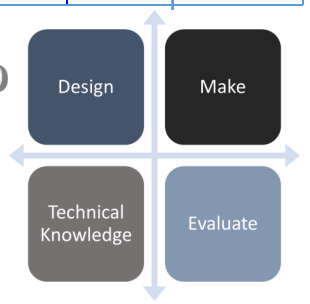


LEARNING TOOLS

Tick when you think you are able to define the meaning of the keyword

KEYWORDS	Freehand drawing	Evaluate	CAD	Three-Dimensional
Client	Develop	Modelling	Design Context	Context analy-

Challenge!



What areas of the four key concepts for Design & Technology have you worked in during this cycle?

Circle your response

Challenge!

Can you add more keywords you have covered?



My Expected Grade

Teacher Assessed Grade (circle)

SBE

BE

E

AE

SAE

Comment:

Grade		Knowledge	
		Prior	Post
8 - 9	<p>I can...</p> <p>Thoroughly explore, design possibilities directly linked to a contextual challenge demonstrating excellent understanding of the problems/opportunities.</p> <p>Identify a client that is entirely relevant in all aspects to the contextual challenge and have undertaken a comprehensive investigation of their needs and wants, with a clear explanation and justification of all aspects of these.</p> <p>Complete a thorough product analysis that clearly informs my design ideas , including products from home</p> <p>Write a fully comprehensive design brief which clearly justifies how I've met my clients wants and needs</p> <p>Write a Design Specification, with a high level of justification linking to the wants and needs of the client.</p> <p>Write detailed evaluations of my own work that clearly identify future additional developments</p> <p>Skilfully use arrange of drawing and CAD techniques to present innovative design ideas effectively</p>		
6 -7	<p>I can...</p> <p>Explore, design possibilities directly linked to a contextual challenge demonstrating good understanding of the problems/opportunities.</p> <p>Identify a client that is relevant in most aspects to the contextual challenge and have undertaken a good investigation of their needs and wants, with a clear explanation and justification of all aspects of these.</p> <p>Complete a thorough product analysis that clearly informs my design ideas</p> <p>Write a comprehensive design brief which justifies how I've met my clients wants and needs</p> <p>Write a Design Specification, with a good level of justification linking to the wants and needs of the client.</p> <p>Write detailed evaluations of my own work that clearly identify future additional developments</p>		
4 -5	<p>I can...</p> <p>Explore, design possibilities directly linked to a contextual challenge</p> <p>Identify a client that is relevant in most aspects to the contextual challenge and have undertaken a good investigation of their needs and wants</p> <p>Complete a product analysis that clearly informs my design ideas</p> <p>Write a comprehensive design brief which justifies how I've met my clients wants and needs</p> <p>Write a Design Specification, with a good level of justification linking to the wants and needs of the client.</p> <p>Write detailed evaluations of my own work that clearly identify future additional developments</p> <p>Use arrange of drawing and CAD techniques to present design ideas effectively</p>		