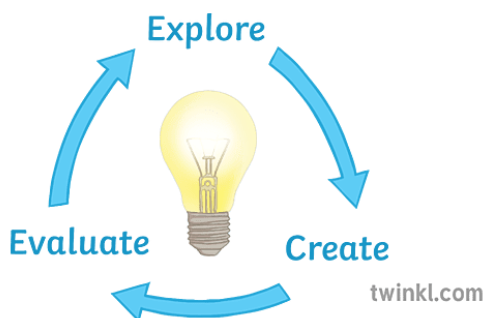


NEA & Theory

Cycle 4

Year 11



Work completed: BLACK pen.

Teacher assessment—RED pen

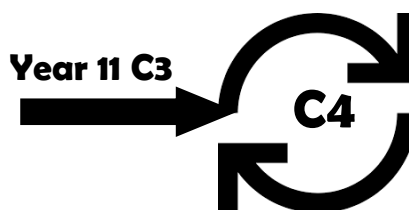
Student assessment/improvements—GREEN pen

RECALL activities—BLUE pen

Name

Teaching Group

Teacher



Key Stage 4

Leadership Tasks carried out: (tick existing or add others)

Cycle 1 Chosen Student Leader? - Yes No

RECALL task planner

Led a team

Demonstrated a practical task

Created a plenary

Presented to class

Explained a topic to others

Helped my peers

.....

.....

Week	Content	Completed? Y / N EFFORT
1&2	<p>Lesson 1</p> <ul style="list-style-type: none"> Recap requirements for Section E—Making, Diary of making, Health and Safety, Quality control, Quality Assessment and Tolerances—Refer to these point each lesson—NOTE MAKING OF FINAL PROTOTYPE SHOULD BE FINISHED Review of NEA progress—tracker and self assessment of Section A, B, C, D, E& F Continuation of NEA—Sections A, B, C, D, E & F in flow <p><i>Homework 1: Make improvements identified in self assessment to ensure you are at least on target for your NEA</i></p> <p><i>Challenge: using the self-assessment help guide—improve your work to one grade above</i></p> <p><i>Further Challenge: write yourself targets and ensure you are familiar with the assessment criteria for Section C, D, E & F</i></p> <p>Lesson 2—FULL REVISION LESSON</p> <ul style="list-style-type: none"> Forces and Stresses Development in new materials Systems approach to designing <p>Lesson 3</p> <ul style="list-style-type: none"> Starter—Mechanical Devices Continuation of NEA—Sections A, B, C, D, E & F in flow <p><i>Homework2: Pre-learning task—Scales of Production</i></p> <p><i>Challenge: Give two more examples of products suitable for production at each scale, justify your choice</i></p> <p><i>Further Challenge: Give a pro and con for each scale of production</i></p> <p>Lesson 4</p> <ul style="list-style-type: none"> FULL REVISION LESSON Enterprise Using and working with materials <p>Lesson 5</p> <ul style="list-style-type: none"> Continuation of NEA—Sections A, B, C, D, E & F in flow <p>Lesson 6</p> <ul style="list-style-type: none"> Continuation of NEA—Sections A, B, C, D, E & F in flow <p><i>Homework 3: Make improvements identified in self assessment to ensure you are at least on target for your NEA</i></p> <p><i>Revision pre-learning task—Surface enhancement</i></p> <p><i>Challenge: using the self-assessment help guide—improve your work to one grade above</i></p> <p><i>Further Challenge: write yourself targets and ensure you are familiar with the assessment criteria for Section C, D</i></p>	

Why are we developing our analytical & evaluation skills?



You are enhancing your skills so that you:

- ◆ Can begin to work more
- ◆ independently and accurately self assess yourself regularly
- ◆ Can work more effectively towards your target grade
- ◆ Analytical and evaluation skills are needed for both the NEA & exam

NEA & Theory (ratio NEA 4 V theory 2)

Week	Content	Completed?	
		Y / N	EFFORT
3&4	<p>Lesson 7</p> <ul style="list-style-type: none"> FULL REVISION LESSON Surface Enhancement Ecological and social footprint <p>Homework 4: Ensure revision work sheets are fully completed and continue NEA</p> <p>Challenge: ensure continually self assessing against the mark scheme</p> <p>Further Challenge: use tracker to identify tasks which will gain marks in the higher markband for Section C & D and apply to own NEA</p> <p>Lesson 8</p> <ul style="list-style-type: none"> Continuation of NEA—Sections A, B, C, D, E & F in flow <p>Lesson 9</p> <ul style="list-style-type: none"> Continuation of NEA—Sections A, B, C, D, E & F in flow <p>Homework 5: Pre learning task—Calculating cost of materials</p> <p>Challenge: ensure continually self assessing against the mark scheme</p> <p>Further Challenge: use tracker to identify tasks which will gain marks in the higher markband for Section C & D, E and apply to own NEA</p> <p>Lesson 10</p> <ul style="list-style-type: none"> FULL REVISION LESSON Production Techniques and systems Developments in new materials The work of Others Lesson 11 FINALISATION of NEA—Sections A, B, C, D, E & F in flow <p>Lesson 12</p> <ul style="list-style-type: none"> FINALISATION of NEA—Sections A, B, C, D, E & F in flow 		
	<p>Lesson 13</p> <ul style="list-style-type: none"> Revision Starter—Review work of others task and peer asses FINALISATION of NEA—Sections A, B, C, D, E & F in flow <p>Homework 6: NEA (targeted tasks—individual)</p> <p>Revision pre=learning task—Materials management question</p> <p>Challenge: ensure continually self assessing against the mark scheme</p> <p>Further Challenge: use tracker to identify tasks which will gain marks in the higher markband for Section C & D, E and F and apply to own NEA</p> <p>Lesson 14</p> <ul style="list-style-type: none"> FULL REVISION LESSON Communication of design ideas Recap all topics—class quiz <p>Lesson 15</p> <ul style="list-style-type: none"> FINALISATION of NEA—Sections A, B, C, D, E & F in flow <p>Homework 7: NEA (targeted tasks—individual)</p> <p>Challenge: ensure continually self assessing against the mark scheme</p> <p>Further Challenge: use tracker to identify tasks which will gain marks in the higher markband for Section C & D, E and F and apply to</p>		

NEA & Theory (ratio NEA 4 V theory 2)

Week	Content	Completed?	
		Y / N	EFFORT
5&6 cont	Lesson 16 MOCK EXAM WEEK—NEA FINISHED Revision recap on weaker topics Lesson 17 Revision recap on weaker topics Lesson 18 Revision recap on weaker topics		



KEYWORDS	
	Lap joint
Specification	Brief
Perspective	Isometric
Orthographic	Render
Model	Prototype
CAD CAM	Social footprint
Production	Justify
	Scales of Production

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

Challenge!

Can you add more keywords you have covered?



Student Self Evaluation










WWW	EBI
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Cycle NEA—Assessment & Development of skills

My Expected Grade				
Teacher Assessed Grade (circle)				
SBE	BE	E	AE	SAE
Comment:				

Cycle 4 NEA & multi topic theory — Curriculum Journey

During the course of this cycle, you will cover content pertaining to the NEA and examination within the following categories:

Pre-Learning 	Vital prior knowledge you can obtain before lessons to further your understanding of the topic.	Fully read the 'self-assessment' guides for each section of the NEA in preparation for hand in. Self-assess own NEA and make improvements based on gaps identified.
Skills 	Specific skills you will learn and use during the project.	Time & project management skills; researching; analysing & evaluating; realising design ideas; liaising with clients and acting upon third party feedback; design communication skills; developing a prototype; practical skills
Knowledge 	Specific knowledge you will obtain throughout the project.	The correct & safe use of workshop equipment. Material properties & applications
Literacy 	Aspects of the project that will improve your reading, writing, spelling, grammar and comprehension.	The NEA requires good communication skills with good use of SPAG -s to form written elements of their NEA - understanding COMMAND words is a focus
Maths 	Aspects of the project that will develop your attainment in Maths related to Design & Technology.	Examination question practice for Mock 3 - area
Cross-curricular links 	Aspects of the project that link	English—descriptive and evaluative use of language . Science—materials and processes. Maths—material management. Computer Science—Production management systems and control
Looking forward to the NEA & EXAMINATION: >>	Aspects of the project related to further study of Design & Technology at GCSE.	Cycle work includes question practice and focus on response & revision techniques. Mock exam is 1/2 mock - in-class 1hour
Building challenge 	Tasks that encourage you to test yourself and exceed targets/expectations.	Students must use their project management skills and complete their NEA project ahead of the final deadline. Student must demonstrate they can use specialist tools and equipment to a high standard, producing a quality final prototype. They must select appropriate surface finishes for their prototypes.
Careers 	Aspects of the project that display the relevant career paths that can be taken using the skills and knowledge acquired.	Product Designer; Graphic Designer; Engineer.
PSHE/SMSC 	Aspects of the project that consider the spiritual, moral, social and cultural impact of the project and its adherence to British values.	Spiritual: student led NEA; reflection; making improvements. Moral: origins of materials - ethical sourcing; fairtrade; environmental factors. Social: student leaders; working with others; social & economic issues theory for mock. Cultural: prototype development; working with others; commitment to P6 catch up NEA.

Links between learning in KS3 & Yr10 that prepare you for this cycle.

Prior learning from KS3; Yr10 & Yr11 C1—3:

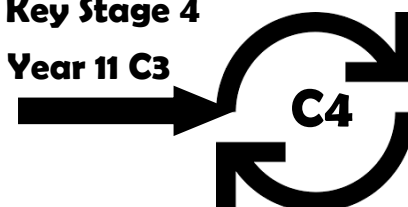
Examination skills are built upon as students complete a further mock examination. Read; decode; plan; answer (RDPA), should now be embedded in student's approach to examination questions.

Students will have reviewed attainment from previous mocks and consolidated any identified gaps in knowledge or exam technique.

Students continue to build up NEA project skills—completing their evaluations.

Key Stage 4

Year 11 C3



Yr11

Key Stage 4