



<p>This half term: Skills, Knowledge and Understanding to be developed:</p> <ul style="list-style-type: none"> SKILLS: Each individual will be able to explain in as much detail as possible answers to a variation of questions from designing, factual and extended writing set examples KNOWLEDGE: Students will understand and know about the theory aspects covered for CDG assessment 3. UNDERSTANDING: Students will show their understanding of the studied theory topics. 		<p>Key Terms / Words:</p> <p>Assessment, Design, Drawing, Labelling, Annotation, Measurements, Materials, Processes, Sizes, Tools and Equipment, Sustainability, Environment, Designer, James Dyson, Manufacturing Processes.</p>	
<p>Week 1 Learning Outcomes:</p> <p>1 - 3. Students will be able to understand about the LCA of different products. They will create a mind map with factors concerning the topic and will have notes to discuss on Google Classroom. Students will also understand the advantages and disadvantages of CAD / CAM and Rapid Prototyping.</p>		<p>Success Criteria</p> <ol style="list-style-type: none"> Students will understand the theory of LCA Students will create a mind map on CAD / CAM 	<p>Homework W1</p> <p>Revision / exam practice</p>
<p>Week 2 Learning Outcomes:</p> <p>4 & 5: Students will be able to answer a theory set question based on their focussed designer, James Dyson. They will assess and discuss factors as a group before trialling a practice essay. They will also create their own research min map.</p>		<p>Success Criteria</p> <ol style="list-style-type: none"> Students will practice an extended essay 	<p>Homework W2</p> <p>Revision / exam practice</p>
<p>Week 3 Learning Outcomes:</p> <p>6, 7 & 8: Students will be able to understand the benefits and importance of Ergonomics and Anthropometrics within Design. They will cover factors concerning different products and create a mind map with examples of products and important issues to consider for designers.</p>		<p>Success Criteria:</p> <ol style="list-style-type: none"> Students will understand the importance of both factors within the design of products 	<p>Homework W3</p> <p>Revision / exam practice</p>
<p>Week 4 Learning Outcomes:</p> <p>9 & 10: Students will be able to analyse and explain in detail about SMART and Modern materials. They will also be able to name specific products containing new materials in their use and their purpose.</p>		<p>Success Criteria:</p> <ol style="list-style-type: none"> Students will understand about new modern materials 	<p>Homework W4</p> <p>Revision / exam practice</p>
<p>Week 5 Learning Outcomes:</p> <p>STUDENTS WILL UNDERTAKE THEIR CDG ASSESSMENT</p>	 <p>CDG assessment 3</p> <p>Grade:</p> <div style="border: 1px solid red; width: 50px; height: 30px; margin-left: 20px;"></div>	<p>Success Criteria:</p> <p>SUMMATIVE ASSESSMENT: Students will apply and demonstrate new knowledge and skills in relation to the focussed topics.</p>	<p>Homework W5</p>
<p>Week 6 Learning Outcomes:</p> <p>STUDENTS WILL UNDERTAKE THEIR CDG ASSESSMENT</p>	 <p>CDG assessment 3</p> <p>Grade:</p> <div style="border: 1px solid red; width: 50px; height: 30px; margin-left: 20px;"></div>	<p>Success Criteria:</p> <p>SUMMATIVE ASSESSMENT: Students will apply and demonstrate new knowledge and skills in relation to the focussed topics.</p>	<p>Homework W6</p>
<p>Week 7 Learning Outcomes:</p>		<p>Success Criteria:</p>	<p>Homework W7</p>