

Year 2 Product Design SOW
4 lessons a week (3 NEA 1 Theory)

Week	Lesson Outcomes	Lesson activities	Homework	Resources
1	Induction ??			
2	Induction ??			
3 (Timetable Starts)	1-Theory: intro exam technique and explain layout for theory in 2nd year with flipped learning 2-Construction testing 3-Construction testing 4-Construction testing	<p>This years theory lessons are more focused on the technique of the questions, students are expected to read up on and what the video for the topic from the subject youtube channel in preparation for the lesson</p> <p>Students to pick a minimum of 4 processes/materials they need to experiment with for their folder write up.</p> <p>First three lessons of the week start with maths question starters to embed maths into course.</p>	<p>Watch video on next weeks theory content</p> <p>Write up construction testing</p>	<p>Powerpoint</p> <p>workshop</p>

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4	<p>1-Theory: Metals 2-Construction testing 3-Construction testing 4-Construction testing</p>	<p>This years theory lessons are more focused on the technique of the questions, students are expected to read up on and what the video for the topic from the subject youtube channel in preparation for the lesson</p> <p>Students to pick a minimum of 4 processes/materials they need to experiment with for their folder write up.</p> <p>First three lessons of the week start with maths question starters to embed maths into course.</p>	<p>Watch video on next weeks theory content</p> <p>Write up construction testing</p>	<p>Powerpoint Workshop</p>
5	<p>1-Theory: Timbers 2- manufacture of final piece 3- manufacture of final piece 4- manufacture of final piece</p>	<p>This years theory lessons are more focused on the technique of the questions, students are expected to read up on and what the video for the topic from the</p>	<p>Photo diary</p> <p>Watch video on next weeks theory content</p>	<p>Powerpoint Workshop</p>

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		<p>subject youtube channel in preparation for the lesson</p> <p>Students to manufacture their final products, make sure pictures are taken for the photo diary that is to be completed for homework</p> <p>First three lessons of the week start with maths question starters to embed maths into course.</p>		
6	<p>1-Theory: Polymers 2- manufacture of final piece 3- manufacture of final piece 4- manufacture of final piece</p>	<p>This years theory lessons are more focused on the technique of the questions, students are expected to read up on and what the video for the topic from the subject youtube channel in preparation for the lesson</p> <p>Students to manufacture their final</p>	<p>Photo diary</p> <p>Watch video on next weeks theory content</p>	<p>Powerpoint</p> <p>Workshop</p>

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		<p>products, make sure pictures are taken for the photo diary that is to be completed for homework</p> <p>First three lessons of the week start with maths question starters to embed maths into course.</p>		
7	<p>1-Theory: Paper and board 2- manufacture of final piece 3- manufacture of final piece 4- manufacture of final piece</p>	<p>This years theory lessons are more focused on the technique of the questions, students are expected to read up on and what the video for the topic from the subject youtube channel in preparation for the lesson</p> <p>Students to manufacture their final products, make sure pictures are taken for the photo diary that is to be completed for homework</p>	<p>Photo diary</p> <p>Watch video on next weeks theory content</p>	<p>Powerpoint</p> <p>Workshop</p>

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		First three lessons of the week start with maths question starters to embed maths into course.		
8	1-Theory: CAD/CAM 2- manufacture of final piece 3- manufacture of final piece 4- manufacture of final piece	<p>This years theory lessons are more focused on the technique of the questions, students are expected to read up on and what the video for the topic from the subject youtube channel in preparation for the lesson</p> <p>Students to manufacture their final products, make sure pictures are taken for the photo diary that is to be completed for homework</p> <p>First three lessons of the week start with maths question starters to embed maths into course.</p>	<p>Photo diary</p> <p>Watch video on next weeks theory content</p>	<p>Powerpoint</p> <p>Workshop</p>
9	1-Theory: Smart/Modern materials	This years theory lessons are more	Photo diary	Powerpoint

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	<p>2- manufacture of final piece 3- manufacture of final piece 4- manufacture of final piece</p>	<p>focused on the technique of the questions, students are expected to read up on and what the video for the topic from the subject youtube channel in preparation for the lesson</p> <p>Students to manufacture their final products, make sure pictures are taken for the photo diary that is to be completed for homework</p> <p>First three lessons of the week start with maths question starters to embed maths into course.</p>	<p>Watch video on next weeks theory content</p>	<p>PCs</p>
Half term				
1	<p>1-Theory: Materials testing 2- manufacture of final piece 3- manufacture of final piece 4- manufacture of final piece</p>	<p>This years theory lessons are more focused on the technique of the questions, students are expected to read up on and what the video for the topic from the</p>	<p>Photo diary</p> <p>Watch video on next weeks theory content</p>	<p>Powerpoint</p> <p>PCs</p>

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		<p>subject youtube channel in preparation for the lesson</p> <p>Students to manufacture their final products, make sure pictures are taken for the photo diary that is to be completed for homework</p> <p>First three lessons of the week start with maths question starters to embed maths into course.</p>		
2	<p>1-Theory: enhancing materials</p> <p>2- manufacture of final piece</p> <p>3- manufacture of final piece</p> <p>4- manufacture of final piece</p>	<p>Theory on enhancing materials, homework further research on topic</p> <p>This years theory lessons are more focused on the technique of the questions, students are expected to read up on and what the video for the topic from the subject youtube</p>	<p>Photo diary</p> <p>Watch video on next weeks theory content</p>	<p>Powerpoint</p> <p>PCs</p>

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		<p>channel in preparation for the lesson</p> <p>Students to manufacture their final products, make sure pictures are taken for the photo diary that is to be completed for homework</p> <p>First three lessons of the week start with maths question starters to embed maths into course.</p>		
3	<p>1-Theory: Adhesives and other joining methods</p> <p>2- manufacture of final piece</p> <p>3- manufacture of final piece</p> <p>4- manufacture of final piece</p>	<p>This years theory lessons are more focused on the technique of the questions, students are expected to read up on and what the video for the topic from the subject youtube channel in preparation for the lesson</p> <p>Students to manufacture their final products, make sure</p>	<p>Photo diary</p> <p>Watch video on next weeks theory content</p>	<p>Powerpoint</p> <p>PCs</p> <p>Workshop</p>

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		<p>pictures are taken for the photo diary that is to be completed for homework</p> <p>First three lessons of the week start with maths question starters to embed maths into course.</p>		
4	<p>1-Theory: finishes theory 2- manufacture of final piece 3- manufacture of final piece 4- manufacture of final piece</p>	<p>This years theory lessons are more focused on the technique of the questions, students are expected to read up on and what the video for the topic from the subject youtube channel in preparation for the lesson</p> <p>Students to manufacture their final products, make sure pictures are taken for the photo diary that is to be completed for homework</p> <p>First three lessons of the week start with</p>	<p>Photo diary</p> <p>Watch video on next weeks theory content</p>	<p>Powerpoint</p> <p>Workshop</p>

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		<p>maths question starters to embed maths into course.</p>		
5	<p>1-Theory: Scales of production and bought in components 2- manufacture of final piece 3- manufacture of final piece 4- manufacture of final piece</p>	<p>This years theory lessons are more focused on the technique of the questions, students are expected to read up on and what the video for the topic from the subject youtube channel in preparation for the lesson</p> <p>Students to manufacture their final products, make sure pictures are taken for the photo diary that is to be completed for homework</p> <p>First three lessons of the week start with maths question starters to embed maths into course.</p>	<p>Photo diary</p> <p>Watch video on next weeks theory content</p>	<p>Powerpoint</p> <p>Workshop</p>
6	<p>1-Theory: Ergonomics/anthropometrics 2- manufacture of final piece 3- manufacture of final piece</p>	<p>This years theory lessons are more focused on the technique of the</p>	<p>Photo diary</p> <p>Watch video on next weeks theory content</p>	<p>Powerpoint</p> <p>Workshop</p>

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	<p>4- manufacture of final piece</p>	<p>questions, students are expected to read up on and what the video for the topic from the subject youtube channel in preparation for the lesson</p> <p>Students to manufacture their final products, make sure pictures are taken for the photo diary that is to be completed for homework</p> <p>First three lessons of the week start with maths question starters to embed maths into course.</p>		
7	<p>1-Theory: Product Analysis 2- Manufacture of final product 3- Manufacture of final product 4- Manufacture of final product</p>	<p>This years theory lessons are more focused on the technique of the questions, students are expected to read up on and what the video for the topic from the subject youtube channel in preparation for the lesson</p>	<p>Photo diary</p> <p>Watch video on next weeks theory content</p>	<p>Powerpoint</p> <p>Workshop</p>

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		<p>Students to manufacture their final products, make sure pictures are taken for the photo diary that is to be completed for homework</p> <p>First three lessons of the week start with maths question starters to embed maths into course.</p>		
Xmas Break				
1	<p>1-Theory: Inclusive design 2- manufacture of final piece 3- manufacture of final piece 4- manufacture of final piece</p>	<p>This years theory lessons are more focused on the technique of the questions, students are expected to read up on and what the video for the topic from the subject youtube channel in preparation for the lesson</p> <p>Students to manufacture their final products, make sure pictures are taken for</p>	<p>Photo diary</p> <p>Watch video on next weeks theory content</p>	<p>Powerpoint</p> <p>Workshop</p>

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		<p>the photo diary that is to be completed for homework</p> <p>First three lessons of the week start with maths question starters to embed maths into course.</p>		
2	<p>1-Theory: Health and safety legislation</p> <p>2- manufacture of final piece</p> <p>3- manufacture of final piece</p> <p>4- manufacture of final piece</p>	<p>This years theory lessons are more focused on the technique of the questions, students are expected to read up on and what the video for the topic from the subject youtube channel in preparation for the lesson</p> <p>Students to manufacture their final products, make sure pictures are taken for the photo diary that is to be completed for homework</p> <p>First three lessons of the week start with maths question</p>	<p>Photo diary</p> <p>Watch video on next weeks theory content</p>	<p>Powerpoint</p> <p>Workshop</p>

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		starters to embed maths into course.		
3	<p>1-Theory: Intellectual Property</p> <p>2- manufacture of final piece</p> <p>3- manufacture of final piece</p> <p>4- manufacture of final piece</p>	<p>This years theory lessons are more focused on the technique of the questions, students are expected to read up on and what the video for the topic from the subject youtube channel in preparation for the lesson</p> <p>Students to manufacture their final products, make sure pictures are taken for the photo diary that is to be completed for homework</p> <p>First three lessons of the week start with maths question starters to embed maths into course.</p>	<p>Photo diary</p> <p>Watch video on next weeks theory content</p>	<p>Powerpoint</p> <p>Workshop</p>
4	<p>1-Theory: Major Developments in Technology</p> <p>2- manufacture of final piece</p> <p>3- manufacture of final piece</p> <p>4- manufacture of final piece</p>	<p>This years theory lessons are more focused on the technique of the questions, students are expected to read up on</p>	<p>Photo diary</p> <p>Watch video on next weeks theory content</p>	<p>Powerpoint</p> <p>Workshop</p>

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		<p>and what the video for the topic from the subject youtube channel in preparation for the lesson</p> <p>Students to manufacture their final products, make sure pictures are taken for the photo diary that is to be completed for homework</p> <p>First three lessons of the week start with maths question starters to embed maths into course.</p>		
5	<p>1-Theory: QA/QC 2- manufacture of final piece 3- manufacture of final piece 4- manufacture of final piece</p>	<p>This years theory lessons are more focused on the technique of the questions, students are expected to read up on and what the video for the topic from the subject youtube channel in preparation for the lesson</p>	<p>Photo diary</p> <p>Watch video on next weeks theory content</p>	<p>Powerpoint</p> <p>Workshop</p>

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		<p>Students to manufacture their final products, make sure pictures are taken for the photo diary that is to be completed for homework</p> <p>First three lessons of the week start with maths question starters to embed maths into course.</p>		
<p>6</p> <p>Feb Half term Deadline for Practical Work!!</p>	<p>1-Theory: Environmental Issues</p> <p>2- manufacture of final piece</p> <p>3- manufacture of final piece</p> <p>4- manufacture of final piece</p>	<p>Theory on Quality assurance</p> <p>This years theory lessons are more focused on the technique of the questions, students are expected to read up on and what the video for the topic from the subject youtube channel in preparation for the lesson</p> <p>Students to manufacture their final products, make sure pictures are taken for</p>	<p>Photo diary</p> <p>Watch video on next weeks theory content</p>	<p>Powerpoint</p> <p>Workshop</p>

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		<p>the photo diary that is to be completed for homework</p> <p>First three lessons of the week start with maths question starters to embed maths into course.</p>		
Half term				
1	<p>1-Theory: Forming Materials</p> <p>2- Students to finish off writing up manufacture plan and to complete final evaluation</p> <p>3- Students to finish off writing up manufacture plan and to complete final evaluation</p> <p>4- Students to finish off writing up manufacture plan and to complete final evaluation</p>	<p>This years theory lessons are more focused on the technique of the questions, students are expected to read up on and what the video for the topic from the subject youtube channel in preparation for the lesson</p> <p>Students to finish off writing up manufacture plan and to complete final evaluation</p> <p>First three lessons of the week start with maths question</p>	<p>Photo Diary</p> <p>Watch video on next weeks theory content</p>	<p>Powerpoint</p>

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		starters to embed maths into course.		
2	<p>1-Theory: Marketing</p> <p>2- Students to finish off writing up manufacture plan and to complete final evaluation</p> <p>3- Students to finish off writing up manufacture plan and to complete final evaluation</p> <p>4- Students to finish off writing up manufacture plan and to complete final evaluation</p>	<p>This years theory lessons are more focused on the technique of the questions, students are expected to read up on and what the video for the topic from the subject youtube channel in preparation for the lesson</p> <p>Students to finish off writing up manufacture plan and to complete final evaluation</p> <p>First three lessons of the week start with maths question starters to embed maths into course.</p>	<p>Photo Diary</p> <p>Watch video on next weeks theory content</p>	<p>Powerpoint</p> <p>Workshop</p>
3	<p>1-Theory: Social Moral Ethical Issues</p> <p>2- Students to finish off writing up manufacture plan and to complete final evaluation</p>	<p>This years theory lessons are more focused on the technique of the questions, students are expected to read up on and what the video for</p>	<p>Photo diary</p> <p>Watch video on next weeks theory content</p>	<p>Powerpoint</p> <p>Workshop</p>

Final Deadline for ALL coursework including evaluation!!

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	<p>3- Students to finish off writing up manufacture plan and to complete final evaluation</p> <p>4- Students to finish off writing up manufacture plan and to complete final evaluation</p>	<p>the topic from the subject youtube channel in preparation for the lesson</p> <p>Students to finish off writing up manufacture plan and to complete final evaluation</p> <p>First three lessons of the week start with maths question starters to embed maths into course.</p>		
4	<p>1-Theory: Designers and their work</p> <p>2- CRF</p> <p>3- CRF</p> <p>4- CRF</p>	<p>This years theory lessons are more focused on the technique of the questions, students are expected to read up on and what the video for the topic from the subject youtube channel in preparation for the lesson</p> <p>Students to complete their CRF forms in as much detail as</p>	<p>Photo Diary</p> <p>Watch video on next weeks theory content</p>	<p>Powerpoint</p> <p>Workshop</p>

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		<p>possible. This is the students opportunity to identify where in the folders they should be receiving marks for each section. If they do not give details and page numbers, they will not be given the marks by the moderator</p> <p>First three lessons of the week start with maths question starters to embed maths into course.</p>		
5	<p>1-Theory: Design Movements 2- CRF 3- CRF 4- CRF</p>	<p>This years theory lessons are more focused on the technique of the questions, students are expected to read up on and what the video for the topic from the subject youtube channel in preparation for the lesson</p> <p>Students to complete their CRF forms in as much detail as possible. This is the</p>	<p>Finishing all off NEA</p> <p>Watch video on next weeks theory content</p>	<p>Powerpoint</p> <p>PCs</p>

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		<p>students opportunity to identify where in the folders they should be receiving marks for each section. If they do not give details and page numbers, they will not be given the marks by the moderator</p> <p>First three lessons of the week start with maths question starters to embed maths into course.</p>		
6	<p>1-Theory: Product Life cycle 2- Independent structured revision with resources available for specific topics 3- Independent structured revision with resources available for specific topics 4- Independent structured revision with resources available for specific topics</p>	<p>This years theory lessons are more focused on the technique of the questions, students are expected to read up on and what the video for the topic from the subject youtube channel in preparation for the lesson</p> <p>Students to select a topic to revise for each 1 hour of lesson. Resources available to help students include</p>	<p>Finishing all off NEA</p> <p>Watch video on next weeks theory content</p>	<p>Powerpoint</p> <p>PCs</p>

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		<p>textbooks at the front, YouTube videos, past papers and questions on SharePoint and all of the theory PowerPoints on SharePoint.</p> <p>First three lessons of the week start with maths question starters to embed maths into course.</p>		
Easter Break	DEADLINE FOR MARKS TO BE SUBMITTED TO AQA 15 MAY			
1	<p>1-Communication techniques 2- Independent structured revision with resources available for specific topics 3- Independent structured revision with resources available for specific topics 4- Independent structured revision with resources available for specific topics</p>	<p>Students to select a topic to revise for each 1 hour of lesson. Resources available to help students include textbooks at the front, YouTube videos, past papers and questions on SharePoint and all of the theory PowerPoints on SharePoint.</p> <p>First three lessons of the week start with maths question</p>	Revision tasks set	<p>Powerpoint PCs</p>

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		starters to embed maths into course.		
2	<p>1-Theory: environmental issues</p> <p>2- Independent structured revision with resources available for specific topics</p> <p>3- Independent structured revision with resources available for specific topics</p> <p>4- Independent structured revision with resources available for specific topics</p>	<p>Students to select a topic to revise for each 1 hour of lesson.</p> <p>Resources available to help students include textbooks at the front, YouTube videos, past papers and questions on SharePoint and all of the theory PowerPoints on SharePoint.</p> <p>First three lessons of the week start with maths question starters to embed maths into course.</p>	Revision tasks set	<p>Powerpoint</p> <p>PCs</p>
3	<p>1- Independent structured revision with resources available for specific topics</p> <p>2- Independent structured revision with resources available for specific topics</p> <p>3- Independent structured revision with resources available for specific topics</p> <p>4- Independent structured revision with resources available for specific topics</p>	<p>Students to select a topic to revise for each 1 hour of lesson.</p> <p>Resources available to help students include textbooks at the front, YouTube videos, past papers and questions on SharePoint and all of the theory PowerPoints on SharePoint.</p>	Revision tasks set	<p>Powerpoint</p> <p>PCs</p>

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		First three lessons of the week start with maths question starters to embed maths into course.		
4	Study leave			
5	Study leave			
Half term				
1	Study Leave			
2	Study Leave			
3	Study Leave			
4	Study Leave			
5	Study Leave			
6	Study Leave			
7	Study Leave			