Subject: Engineering Year 10 Curriculum Map 2019 - 2020		
Week Commencing	**Topic**	**Assessment Window**
02/09/2019 STAFF INSET 02 and 03/09 ALL STUDENTS IN 04/09	CAT - creative design ideas. Creative ideas, imaginative, unique design development. Research a range of solutions to the original design brief and annotate ideas.	
9/09/2019	CAT - creative design ideas. Creative ideas, imaginative, unique design development. Research a range of solutions to the original design brief and annotate ideas.	
16/09/2019	CAT - creative design ideas. Creative ideas, imaginative, unique design development. Research a range of solutions to the original design brief and annotate ideas.	
23/09/2019	CAT - creative design ideas. Creative ideas, imaginative, unique design development. Research a range of solutions to the original design brief and annotate ideas.	
30/09/2019	CAT - creative design ideas. Creative ideas, imaginative, unique design development. Research a range of solutions to the original design brief and annotate ideas.	
07/10/2019	CAT - creative design ideas. Creative ideas, imaginative, unique design development. Research a range of solutions to the original design brief and annotate ideas.	
14/10/2019	Development of final solution through modelling. Through 3D explain your design idea.	
21/10/2019 STAFF INSET 26/10	Development of final solution. Through analysis and evaluation justify your final solution.	
October Half Term		
04/11/2019	Understanding of CAD software. Students to develop an understanding of the key features of 'Fusion360'	
11/11/2019	Understanding of CAD software. Students to develop an understanding of the key features of 'Fusion360'	AR1
18/11/2019	Understanding of CAD software. Students to develop an understanding of the key features of 'Fusion360'	AR1
25/11/2019	Understanding of CAD software. Students to develop an understanding of the key features of 'Fusion360'	

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02/12/2019	Students to develop their own designs in 'Fusion360'. Use of advanced features to develop designs.	
9/12/2019	Students to develop their own designs in 'Fusion360'. Use of advanced features to develop designs.	
16/12/2019 END OF TERM 20/12	Students to develop their own designs in 'Fusion360'. Use of advanced features to develop designs.	
Christmas Break		
06/01/2020	Rendering of designs in 'Fusion360'. Students to include logos and images in their designs to show greater understanding of the software.	
13/01/2020	Rendering of designs in 'Fusion360'. Students to include logos and images in their designs to show greater understanding of the software.	
20/01/2020	Annotation of designs using CAD, following the requirements on R107. Students need to use the computer to create a portfolio of work that can then be submitted for marking.	
27/01/2020	Annotation of designs using CAD, following the requirements on R107. Students need to use the computer to create a portfolio of work that can then be submitted for marking.	
3/02/2020	Annotation of designs using CAD, following the requirements on R107. Students need to use the computer to create a portfolio of work that can then be submitted for marking.	
10/02/2020 STAFF INSET 15/02	Annotation of designs using CAD, following the requirements on R107. Students need to use the computer to create a portfolio of work that can then be submitted for marking.	
February Half Term		
24/02/2020	Creation project (linking to coursework). Students are required to make a simple product. They will be making a spatula handle. Students are to then log what they have done via pictures and discussions.	
2/03/2020	Creation project (linking to coursework). Students are required to make a simple product. They will be making a spatula handle. Students are to then log what they have done via pictures and discussions.	AR2
9/03/2020	Creation project (linking to coursework). Students are required to make a simple product. They will be making a spatula handle. Students are to then log what they have done via pictures and discussions.	AR2
16/03/2020	Creation project (linking to coursework). Students are required to make a simple product. They will be making a spatula handle. Students are to then log what they have done via pictures and discussions.	
23/03/2020	Creation project (linking to coursework). Students are required to make a simple product. They will be making a spatula handle. Students are to then log what they have done via pictures and discussions.	
30/03/2020	Creation project (linking to coursework). Students are required to make a simple product. They will be making a spatula handle. Students are to then log what they have done via pictures and discussions.	
Easter		
20/04/2020	Analysis project (linking to coursework). Students are to take apart an item that they are to evaluate. They need to create an essay about the selected product. This must include a number of images used to discuss opinions.	

Date	Project	
27/04/2020	Analysis project (linking to coursework). Students are to take apart an item that they are to evaluate. They need to create an essay about the selected product. This must include a number of images used to discuss opinions.	
04/05/2020 BANK HOL 04/05	Creation project (linking to coursework). Students are required to make a simple product. They will be making a spatula handle. Students are to then log what they have done via pictures and discussions.	
11/05/2020	Creation project (linking to coursework). Students are required to make a simple product. They will be making a spatula handle. Students are to then log what they have done via pictures and discussions.	.
18/05/2020	Creation project (linking to coursework). Students are required to make a simple product. They will be making a spatula handle. Students are to then log what they have done via pictures and discussions.	
May Half Term		
01/06/2020	Analysis project (linking to coursework). Students are to take apart an item that they are to evaluate. They need to create an essay about the selected product. This must include a number of images used to discuss opinions.	
8/06/2020	Analysis project (linking to coursework). Students are to take apart an item that they are to evaluate. They need to create an essay about the selected product. This must include a number of images used to discuss opinions.	
15/06/2020	Analysis project (linking to coursework). Students are to take apart an item that they are to evaluate. They need to create an essay about the selected product. This must include a number of images used to discuss opinions.	AR3
22/06/2020	Analysis project (linking to coursework). Students are to take apart an item that they are to evaluate. They need to create an essay about the selected product. This must include a number of images used to discuss opinions.	AR3
29/06/2020	Analysis project (linking to coursework). Students are to take apart an item that they are to evaluate. They need to create an essay about the selected product. This must include a number of images used to discuss opinions.	
06/07/2020	Analysis project (linking to coursework). Students are to take apart an item that they are to evaluate. They need to create an essay about the selected product. This must include a number of images used to discuss opinions.	
13/07/2020	Analysis project (linking to coursework). Students are to take apart an item that they are to evaluate. They need to create an essay about the selected product. This must include a number of images used to discuss opinions.	