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Principal: Mrs C Stanyer

Subject: Engineering Year 9 Curriculum Map 2019 - 2020

| Week Commencing | Topic | Assessment Window |
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| 02/09/2019 STAFF INSET 02 and 03/09 ALL STUDENTS IN 04/09 | Students are show examples of the final outcome and required to discuss their own personal views and opinions. | |
| 9/09/2019 | Research of a theme and existing products with clear evaluations of these products with regards to the positives and negatives of the products and improvements that can be made. | |
| 16/09/2019 | Research of a theme and existing products with clear evaluations of these products with regards to the positives and negatives of the products and improvements that can be made. | |
| 23/09/2019 | Development of Specification. Students develop a specification that they can use to influence how they develop their designs further. | |
| 30/09/2019 | Designing. Students are to create a range of simply drawn out ideas that take into consideration the specification. | |
| 07/10/2019 | Development of designs. Students are to use the designs that they have been using to create a range of enhanced designs that focus on the positives of the initial ideas. | |
| 14/10/2019 | Final design. Students are to develop a design that fully considers the manufacturing process and practicality of the project. | |
| 21/10/2019 STAFF INSET 26/10 | Making. Develop an understanding of industrial processes and the creation of aids such as jigs and formers. | |
| October Half Term | | |
| 04/11/2019 | Making. Develop an understanding of industrial processes and the creation of aids such as jigs and formers. | |
| 11/11/2019 | Making. Develop an understanding of industrial processes and the creation of aids such as jigs and formers. | AR1 |
| 18/11/2019 | Making. Develop an understanding of industrial processes and the creation of aids such as jigs and formers. | AR1 |
| 25/11/2019 | Evaluation. Develop a clear understanding of how to identify if a prototype is appropriate for the end user. Linking to the exam board criteria. | |
| 02/12/2019 | Product analysis. Identify why products are designed in a particular way and a target market. | |

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| 9/12/2019 | Memphis design movement. Identify the key features of the Memphis design movement and the founding properties. | |
| 16/12/2019 END OF TERM 20/12 | Design strategy. Accessing a number of strategies to create a creative design. | |
| Christmas Break | | |
| 06/01/2020 | Ideas. Students are to identify the key features of their designs and decide if it fits the brief. | |
| 13/01/2020 | Ideas. Students are to identify the key features of their designs and decide if it fits the brief. | |
| 20/01/2020 | Modelling. Students are to create a range of models to further imbed their design thinking. | |
| 27/01/2020 | Modelling. Students are to create a range of models to further imbed their design thinking. | |
| 3/02/2020 | Final design idea with measurements. Why do we need a final drawing of our work? How much depth and explanation is in your work? Be aware of how to get up the assessment criteria ladder | |
| 10/02/2020 STAFF INSET 15/02 | Making. Develop an understanding of industrial processes and the creation of aids such as jigs and formers. | |
| February Half Term | | |
| 24/02/2020 | Making. Develop an understanding of industrial processes and the creation of aids such as jigs and formers. | |
| 2/03/2020 | Making. Develop an understanding of industrial processes and the creation of aids such as jigs and formers. | AR2 |
| 9/03/2020 | Making. Develop an understanding of industrial processes and the creation of aids such as jigs and formers. | AR2 |
| 16/03/2020 | Making. Develop an understanding of industrial processes and the creation of aids such as jigs and formers. | |
| 23/03/2020 | Evaluation. Develop a clear understanding of how to identify if a prototype is appropriate for the end user. | |
| 30/03/2020 | Evaluation. Develop a clear understanding of how to identify if a prototype is appropriate for the end user. | |
| Easter | | |
| 20/04/2020 | Lego robotics, space challenge. Detect and React. Students are to follow the instructions given in the Lego booklet as well as trialing tests and programs that they have created themselves. They are required to build their robot and test it. | |
| 27/04/2020 | Lego robotics, space challenge. Detect and react. Students are to follow the instructions given in the Lego booklet as well as trialing tests and programs that they have created themselves. They are required to build their robot and test it. | |
| 04/05/2020 BANK HOL 04/05 | Lego robotics, space challenge. Detect and react. Students are to follow the instructions given in the Lego booklet as well as trialing tests and programs that they have created themselves. They are required to build their robot and test it. | |

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| 11/05/2020 | Lego robotics, space challenge. Detect and react. Students are to follow the instructions given in the Lego booklet as well as trialing tests and programs that they have created themselves. They are required to build their robot and test it. | |
| 18/05/2020 | Lego robotics, space challenge. Detect and react. Students are to follow the instructions given in the Lego booklet as well as trialing tests and programs that they have created themselves. They are required to build their robot and test it. | |
| May Half Term | | |
| 01/06/2020 | Lego robotics, space challenge. Detect and react. Students are to follow the instructions given in the Lego booklet as well as trialing tests and programs that they have created themselves. They are required to build their robot and test it. | |
| 8/06/2020 | Lego robotics, space challenge. Detect and react. Students are to follow the instructions given in the Lego booklet as well as trialing tests and programs that they have created themselves. They are required to build their robot and test it. | |
| 15/06/2020 | Lego robotics, space challenge. Detect and react. Students are to follow the instructions given in the Lego booklet as well as trialing tests and programs that they have created themselves. They are required to build their robot and test it. | AR3 |
| 22/06/2020 | Lego robotics, space challenge. Detect and react. Students are to follow the instructions given in the Lego booklet as well as trialing tests and programs that they have created themselves. They are required to build their robot and test it. | AR3 |
| 29/06/2020 | Lego robotics, space challenge. Detect and react. Students are to follow the instructions given in the Lego booklet as well as trialing tests and programs that they have created themselves. They are required to build their robot and test it. | |
| 06/07/2020 | Lego robotics, space challenge. Detect and react. Students are to follow the instructions given in the Lego booklet as well as trialing tests and programs that they have created themselves. They are required to build their robot and test it. | |
| 13/07/2020 | Lego robotics, space challenge. Detect and react. Students are to follow the instructions given in the Lego booklet as well as trialing tests and programs that they have created themselves. They are required to build their robot and test it. | |

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