

Oasis Academy Don Valley – Curriculum Map 2019/20

Year Group 7	Half Term 1 9/9/18-26/10/17 7 weeks	Half Term 2 5/11/18-21/12/18 7 weeks	Half Term 3 8/1/19-15/2/19 6 weeks	Half Term 4 25/2/19-30/3/19 5 weeks	Half Term 5 15/4/19-24/5/19 6 weeks	Half Term 6 4/6/19-24/7/19 7 weeks 2 days
Module Title	<u>Technology Skill School</u>	<u>Food and Nutrition</u>	<u>Packaging Design</u>	<u>Bug Hotel</u>	<u>Bug Hotel</u>	<u>Textiles</u>
Key Questions	<p>What is Design &amp; Technology?</p> <p>Why does Technology play such a key role in the modern world?</p> <p>What career options are within Technology?</p> <p>How can we learn how to be sustainable designers and the crucial importance of this?</p> <p>Why and how does literacy play such an important part of the subject?</p> <p>What is the design process and how does this link to industry?</p>	<p>How can we be aware of and follow a healthy and balanced diet?</p> <p>How can we learn to cook a variety of dishes?</p> <p>Why is it important we follow correct food safety?</p> <p>What are different food groups and why do we need a balanced diet?</p> <p>How can we learn to be independent and organised when conducting practical work?</p> <p>What is healthy eating?</p>	<p>How is food packaging made and why are material choices such an important consideration?</p> <p>Why is product branding so important?</p> <p>How do we use a range of workshop tools and equipment safely and effectively?</p> <p>How are moulds formed and what type of moulding processes are there?</p> <p>What is CAD/CAM and how is it used within Technology</p>	<p>What is the difference between hardwood, softwood and manufactured boards?</p> <p><b>How do we ensure we follow correct Health &amp; Safety in the workshop?</b></p> <p><b>How do we work with a range of hand tools and machines?</b></p> <p><b>Why does Technology have cross curricular links with Maths and?</b></p> <p><b>How do we understand the correct material to use for a project?</b></p>	<p>What is the difference between hardwood, softwood and manufactured boards?</p> <p><b>How do we ensure we follow correct Health &amp; Safety in the workshop?</b></p> <p><b>How do we work with a range of hand tools and machines?</b></p> <p><b>Why does Technology have cross curricular links to Maths and English?</b></p> <p><b>How do we understand the correct material to use for a project?</b></p>	<p>How can we understand designing for different cultures?</p> <p>How can we use tools and equipment safely and effectively?</p> <p>Why is CAD/CAM play such an important role within Technology?</p> <p>Why is it important we understand how to design for others?</p> <p>What is smart textiles?</p> <p>How has the textiles industry evolved?</p>
Key Knowledge covered	<p>Pupils will understand the key concepts of the subject and the importance of Design and Technology in society. Key knowledge will be covered so pupils are equipped to understand and study a range of modules within the subject throughout the year.</p> <p>Pupils will look into design and drawing skills as well as the design process</p>	<p>Pupils will learn the skills to cook and prepare dishes safely. They will understand what is meant by a healthy and balanced diet and how to follow this as well as the importance of doing so. Pupils will begin to look at the functions of food groups on the body. They will understand a range of ingredients and their properties.</p> <p>Pupils will understand the different cooking methods</p>	<p>Pupils will learn about graphics and brand design to create their own packaging for a chocolate bar.</p> <p>They will use computer aided design (CAD/CAM) as well as a range of workshop tools and equipment learning about health and safety and their functions along the way. The focus of this project will be design skills.</p> <p>Pupils will understand the vacuum forming process</p>	<p>Pupils will focus on their practical skills during this project. A range of workshop tools and equipment will be used to produce the final outcome of the bug hotel</p> <p>. Pupils will understand how to use these tools and equipment safely, effectively and accurately. CAD/CAM will be used to introduce pupils to Technology in the modern world.</p>	<p>Pupils will focus on their practical skills during this project. A range of workshop tools and equipment will be used to produce the final outcome of the bug hotel.</p> <p>Pupils will understand how to use these tools and equipment safely, effectively and accurately. CAD/CAM will be used to introduce pupils to Technology in the modern world.</p>	<p>Pupils will combine their design and making skills to write their own specification to base their design and make project around.</p> <p>The importance of designing for different cultures will be studied and implemented into their designs</p> <p>Pupils will learn a more complex range of skills and equipment including</p>



Summative assessment	Pupils will be assessed with a baseline assessment at the end of the introduction weeks.	Pupils will be assessed practically in a final independent cook. Theoretical knowledge will be assessed through a written assessment as the end of the module.	Pupils will be assessed practically in a final independent cook. Theoretical knowledge will be assessed through a written assessment as the end of the module.	Pupils will be assessed practically in a final independent cook. Theoretical knowledge will be assessed through a written assessment as the end of the module.	Pupils will be assessed practically in a final independent cook. Theoretical knowledge will be assessed through a written assessment as the end of the module.	Pupils will be assessed practically in a final independent cook. Theoretical knowledge will be assessed through a written assessment as the end of the module.
First-hand experience	Pupils will look at the changing world of Technology	Pupils will work cross curricular with English for elements of this project	Visit a research lab looking at genetic diseases – link to designer babies.	Visit/ links with industry. Pupils will understand how Technology works in industry STEM week activities	Visit/ links with industry. Pupils will understand how Technology works in industry	Cultural celebration. Pupils will celebrate their own and others cultures.