

Design Technology



Key Stage 3 & 4 Subject Mapping

2019 Autumn Term	2020 Spring Term	2020 Summer Term
<p>Witches in the castle</p> <ul style="list-style-type: none"> Understand and use mechanical systems <i>e.g. drawbridges and portcullis, levers and pulleys</i> 	<p>Can't Cook, Won't Cook</p> <ul style="list-style-type: none"> Prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques, understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed. Design, make, evaluate and improve a food product 	<p>Water Water Everywhere</p> <ul style="list-style-type: none"> Understand how key events and individuals in design and technology have helped shape the world (flying, aeroplanes, helicopters). Understand and use winding mechanisms <i>e.g. helicopter winches</i>
2020 Autumn Term	2021 Spring Term	2021 Summer Term
<p>World War 2</p> <ul style="list-style-type: none"> understand and apply the principles of a healthy and varied diet prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques <i>dig for victory campaign / rationing</i> 	<p>Carnival times</p> <ul style="list-style-type: none"> Select from and use materials according to their functional properties and aesthetic qualities including using mechanical systems (<i>design, make, evaluate masks</i>) 	<p>A Sporting Chance</p> <ul style="list-style-type: none"> Select from and use a wider range of materials according to their functional properties and aesthetic qualities (<i>design, make and evaluate a sports kit</i>)

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<p style="text-align: center;">Amazing Asia</p> <ul style="list-style-type: none"> Select from and use materials according to their functional properties and aesthetic qualities (e.g. design, make, evaluate items of clothing for hot climates e.g. flip flops, slippers, hats) Prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques, understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed. Using Asian foods 	<p style="text-align: center;">The Sixties</p> <ul style="list-style-type: none"> Understand how key events and individuals in design and technology have helped shape the world (videos, cd, calculator, computers, bar code-scanner, atm machines) 	<p style="text-align: center;">Extreme Environments</p> <ul style="list-style-type: none"> Select from and use a wider range of materials according to their functional properties and aesthetic qualities (Investigate the properties of textiles, thermal insulators, waterproof, lightweight)
2022 Autumn Term	2023 Spring Term	2023 Summer Term
<p style="text-align: center;">Panto</p> <ul style="list-style-type: none"> Research, develop and design a costume to make. Select from and use a wider range of materials and textiles according to their functional properties and aesthetic qualities (e.g. cutting, joining, finishing) 	<p style="text-align: center;">Expressive Greeks</p> <ul style="list-style-type: none"> Understand how key events and individuals in design and technology have helped shape the world – buildings / architecture / sporting events / theatres Prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques, understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed. Using Greek foods 	<p style="text-align: center;">Who will win?</p> <ul style="list-style-type: none"> Understand how key events in design and technology have helped shaped the world (e.g. weaponry) Apply their understanding of how to Design, make, evaluate and objects (using Mouldable Materials e.g. Modroc, paper mache, clay)

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<p data-bbox="405 320 674 384">Our Shifting World (double DT module)</p> <ul data-bbox="309 389 808 651" style="list-style-type: none"><li data-bbox="309 389 808 517">• Apply their understanding of how to design, make, evaluate and objects (<i>using Mouldable Materials e.g. wax, plaster of paris, papier mache</i>)<li data-bbox="309 521 808 651">• Understand how key events and key individuals have helped shape the world e.g. Tsunami working systems and TV broadcasts.	<p data-bbox="1003 320 1234 352">A Mayan Society</p> <p data-bbox="972 384 1265 416">No Design Technology</p>	<p data-bbox="1576 320 1823 352">Is it right to fight?</p> <ul data-bbox="1469 389 1968 651" style="list-style-type: none"><li data-bbox="1469 389 1968 549">• Understand how key events in design and technology have helped shaped the world (<i>e.g. weaponry, shields, heraldry, banners, castles, siege warfare, trebuchets, armour</i>)<li data-bbox="1469 553 1968 651">• Understand and use mechanical mechanisms e.g. gears, pulleys, cams, levers, linkages)