





SMCS SUPER-CURRICULUM

Design Technology

| | | READ  | WATCH / LISTEN  | DO / VISIT  |
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| Years 7, 8 & 9 | Autumn 1 | <p>Power of Pulses</p> <p>Article on Power of Pulses - helping climate change.pdf</p> <p>Read this article and list the key points.</p> | <p>Practical Cooking Technique</p> <p>Watch Food Fact of Life Practical Cooking Videos:</p> <p>Cooking videos (11-14 Years) - Food A Fact Of Life</p> | <p>Foodscapes</p> <p>The artist Carl Warmer creates 'Foodscapes' as educational tools to help inform people about health eating, food culture and nutritional literacy.</p> <p>Have a look at some of his images and then design your own 'Foodscape' following his ideas.</p> |

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| Autumn 2 | <p>Sir Norman Foster</p> <p>Sir Norman Foster Infographic.png</p> <p>Read this infographic and list the key points.</p> | <p>Sir Norman Foster Striving for Simplicity</p> <p>Norman Foster: Striving for Simplicity Louisiana Channel (youtube.com)</p> <p>Listen to BBC Radio 4 This cultural life Norman Foster</p> | <p>Visit Stansted Airport</p> <p>Visit Stansted Airport to observe Norman Foster Main Terminal Tree Structure</p> |
| Spring 1 | <p>De Havilland Comet</p> <p>de havilland comet commercial airliner Piktochart Visual Editor</p> <p>Read this infographic and list the key points.</p> | <p>Watch DH106 Comet 1A F-BGNX</p> <p>de Havilland Aircraft Museum (dehavillandmuseum.co.uk)</p> | <p>Visit De Havilland Museum in Hatfield</p> <p>Visit De Havilland Museum in Hatfield to see the De Havilland Comet in person!</p> |
| Spring 2 | <p>Design for Disability</p> <p>Disabled fashion: Swansea clothes designer in new ITV show - BBC News</p> <p>Read this article and list the key points.</p> | <p>Watch Design for Disability Ted talk</p> <p>Designing for disability TED Talks</p> | <p>Visit the Design museum</p> <p>Visit the design museum and take part in their 'Get into Design' Workshop.</p> <p>The museum explores the past, present and future of design through a programme of temporary exhibitions and pop-ups.</p> <p>Click here for information.</p> |
| Summer 1 | <p>Read</p> <p>What your sneakers say about you - BBC Culture</p> | <p>Watch How New Balance Sneakers Are Made</p> <p>https://youtu.be/Xd7j0mJ1OSo</p> | <p>Sports shoe comparison</p> <p>Visit a sports shoe shop and examine the differences in footwear design between different sports.</p> |

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| | Summer 2 | <p>BBC Food article</p> <p>Five ways you could improve your gut health - BBC Food</p> | <p>Where Food comes from</p> <p>Watch Food Facts of Life videos on Where Food Comes from.</p> <p>Where food comes from videos (11-14 Years) - Food A Fact Of Life</p> | <p>Regional Specialties</p> <p>The way food is prepared and made, along with customs, and the use of local and seasonal ingredients often combine to create dishes unique to a particular region.</p> <p>Research ingredients and dishes that are traditional to your local region or a region of your choice.</p> <p>Cook a dish or plan a menu using ingredients from the region.</p> <p>Click here for ideas.</p> |
| Years 10 & 11 | Autumn 1 | <p>Small Inventions that made a big difference</p> <p>Small Inventions that made a big difference by Helen Pilcher</p> <p><i>Pockets, matches, spectacles, postage stamps. Whether it's the stitches that hold our clothes together or the syringes that deliver life-saving vaccines, small things really do make a big difference.</i></p> | <p>Podcast - STEM</p> <p>Listen to the Stemettes Podcast</p> <p>Stemettes Podcast: Stemettes Say What? - Stemettes®</p> <p><i>Do you want to expand your knowledge of STEM but don't know where to begin? In this article, they have compiled a list of favourite podcasts by women in STEM to help you get started in the STEM podcasting world.</i></p> | <p>London Design Festival</p> <p>Attend the London design festival which is in the penultimate week of September.</p> <p>Click here for information</p> |
| | Autumn 2 | <p>How to Start Your Career as a Chef</p> <p>How to Start a Chef Career Le Cordon Bleu London</p> | <p>Zoe Science and Nutrition Podcasts</p> <p>ZOE Science & Nutrition Podcast</p> | <p>Food Market Visit</p> <p>Visit a food market to see the range of stallholders supplying a diverse supply of food products for different cultures.</p> |

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| Spring 1 | <p>Become a Lego Architect Become a Lego Architect by Tom Alphin</p> <p><i>Travel through the history of architecture in The LEGO Architect. You'll learn about styles like Art Deco, Modernism, and High-Tech, and find inspiration in galleries of LEGO models. Then take your turn building 12 models in a variety of styles. Snap together some bricks and learn architecture the fun way!</i></p> | <p>Grand Designs</p> <p>Watch episodes of the Channel 4 TV Programme, Grand Designs.</p> <p>Presenter Kevin McCloud follows some of Britain's most ambitious self-building projects, as intrepid individuals attempt to design and construct the home of their dreams. Watch here</p> | <p>Design a Product</p> <p>Design a product in response to a brief created by the idea machine.</p> <p>Click here for more information.</p> |
| Spring 2 | <p>Nadiya Hussain Chef Profile & Recipes</p> <p>Nadiya Hussain recipes - BBC Food</p> | <p>Hairy Bikers Cook Book</p> <p>Watch an episode of the Hairy Bikers Cook Book paying close attention to presentation of the dishes.</p> <p>https://www.bbc.co.uk/iplayer/episodes/b007tw6t/the-hairy-bikers-cookbook</p> | <p>Cooking Challenge</p> <p>Plan and cook a two course healthy meal for two that costs no more than £18.</p> |
| Summer 1 | <p>Phillippe Starck Interview</p> <p>What is Philippe Starck's Design Strategy for Innovation? Haworth</p> | <p>Podcast - Designed for Life</p> <p>Listen to 'Designed for Life' - A series of podcasts from creative industry designers who discuss their work, technology and what they have learned through failure, trial and error.</p> <p>Listen here</p> | <p>Drawing Tutorials</p> <p>Watch Product Designer Maker drawing tutorials.</p> <p>Watch here</p> |

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| | Summer 2 | <p>Tom Kerridge Chef Profile & Recipes</p> <p>Cook a recipe from Tom Kerridge</p> <p>Tom Kerridge recipes - BBC Food</p> | <p>Doctor's Kitchen</p> <p>Visit the Doctors Kitchen website and use the information to plan a meal.</p> <p>Home The Doctor's Kitchen</p> | <p>Local Suppliers</p> <p>Visit your local butcher and speak with them to learn about the Food provenance of their produce.</p> |
| Years 12 & 13 | Autumn 1 | <p>Invention a Life Invention: a Life by James Dyson</p> <p><i>Dyson has become a byword for high-performing products, technology, design, and invention. Now, James Dyson, the inventor and entrepreneur who made it all happen, tells his remarkable and inspirational story.</i></p> | <p>Podcast - STEM</p> <p>Stemettes Podcast: Stemettes Say What? - Stemettes®</p> <p>Do you want to expand your knowledge of STEM but don't know where to begin? In this article, they have compiled a list of favourite podcasts by women in STEM to help you get started in the STEM podcasting world.</p> | <p>Go to an Exhibition</p> <p>Attend one of the guest exhibitions at either the V&A or Design Museum in London.</p> |
| | Autumn 2 | <p>The Complete Buildings and Projects The Complete Buildings and Projects by Zaha Hadid</p> <p>With her most recent commission, Cincinnati's Contemporary Arts Center, architect Zaha Hadid becomes the first woman ever to design an American museum.</p> | <p>Sustainability Talk</p> <p>Live talk on sustainability in design with BIG, Foster + Partners and Søren Rose (youtube.com)</p> | <p>Drawing & Design Tasks</p> <p>Complete the following 10 tasks to improve your drawing and design skills. Click here for the tasks.</p> |

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| Spring 1 | <p>Thomas Heatherwick: Making Thomas Heatherwick: Making by Thomas Heatherwick</p> <p>This is the definitive publication on one of the world's most exceptional designers. Including more than 140 projects and hundreds of photographs, illustrations and sketches, this book will excite, inspire and serve as an invaluable resource for creative solutions and the joy of making for many years to come</p> | <p>Lego House</p> <p>Watch "Lego house - Home of the Brick"</p> <p>Available on Netflix</p> | <p>Project Specific Enrichment Plan</p> <p>Plan a trip or visit to enrich research for Personal Investigation or Externally Set Task</p> |
| Spring 2 | <p>A Career in Architecture</p> <p>If you have an interest in Architecture or are considering it as a future career, then read the following.</p> <ul style="list-style-type: none"> • Bachelard, The Poetics of Space • Davidson Cragoe, How to Read Buildings • Pallasmaa, The Eyes of the Skin • Perec, Species of Spaces and other Pieces | <p>Fashion Industry Secret</p> <p>Alexa Chung Uncovers Fashion Industry Secrets Future of Fashion British Vogue (youtube.com)</p> | <p>Project Specific Enrichment Visit</p> <p>Undertake your Project specific visit to further enrich your project</p> |
| Summer 1 | <p>Designboom</p> <p>Subscribe to daily and weekly newsletters. Designboom is the world's first and most popular digital architecture and design magazine.</p> | <p>Designed for Life</p> <p>Listen to 'Designed for Life' A series of podcasts from creative industry designers who discuss their work, technology and what they have learned through failure, trial and error. Listen here</p> | <p>Product Design</p> <p>Design a product in response to a brief created by the idea machine. Click here for ideas.</p> |

Summer 2

Want to be an Engineer?

Visit the website - [I want to Study Engineering](#) to find some interesting articles, journals and activities to expand your knowledge of the field of engineering.

Women Tech Pod Cast

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CAD Skills

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[Creo Tutorials \(ptc.com\)](#)