



**Design & Technology**

# **The Super Curriculum**

## The Super Curriculum

Super curricular activities are those that take your regular curriculum *further*. They take the subjects you study in the classroom *beyond* that which your teacher has taught you or what you've done for home learning. For example, you may go into more depth on something you picked up in the classroom, or learn about a new topic altogether.

These activities are normally in the form of extra reading but they can take many other forms, like watching videos online, downloading podcasts, attending lectures, visiting museums or entering academic competitions.

Engaging in super curricular activities will help you develop a love for your favourite subject or subjects. In this booklet, there are a range of activities, suggested by your teachers. They are by no means exhaustive lists but should get you started. I would encourage you to share ideas and opportunities you come across with your teachers so that, over time, the recommended activities in this booklet can grow.

In the future, employers or universities will be interested to hear about what super curricular activities you have engaged in; they will be interested in what you have learnt and impressed by your efforts.

I wish you well in your pursuit of super curricular activities!
















Dr Caroline Creaby  
Deputy Headteacher: Curriculum

Super Curriculum – Year 7  
Subject: DESIGN & TECHNOLOGY

 Visit Harry Potter Studios and see how the films were made.	 Find out who designed and made your favourite product.	 Design & make a fancy dress costume for an event like Halloween or Valentine's day.
 Visit <a href="http://www.bbc.co.uk/technology">www.bbc.co.uk/technology</a> and find out about new and emerging technologies.	 Listen to the director's commentary from a film like Harry Potter, Star Wars or a Marvel film to hear how they created the amazing effects from the films.	 Enter a Lego re-brick competition.  <a href="https://www.lego.com/en-us/rebrick/contest-page">https://www.lego.com/en-us/rebrick/contest-page</a>
 Write a review a local restaurant that you have visited.	 Watch a cooking tutorial on YouTube	 Visit St Albans during the farmers market.
 Deliver a presentation on a famous Chef or Designer	 Visit a local restaurant and try a new dish or cuisine.	 Watch a 'How it's made' video on YouTube.
 Visit <a href="http://www.bbc.co.uk/goodfood">www.bbc.co.uk/goodfood</a> and try a new recipe from one of their pages.	 Visit the Big Bang Fair for young engineers.  <a href="https://www.thebigbangfair.co.uk/">https://www.thebigbangfair.co.uk/</a>	 Plan a new recipe for a healthy meal/snack
















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|  Reading task<br> Listening task<br> Research task<br> Creative task |  Writing task<br> Watching task<br> Trip or visit<br> Student-led task |
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Super Curriculum – Year 8  
Subject: DESIGN & TECHNOLOGY

 Read about Tim Peake's time in space.	 Find out what chefs use to substitute ingredients for people who can't eat Dairy or gluten products.	 Design & make a birthday or holiday card for family and friends.
 Read about the Cocoa trade and the chocolate making process.	 Listen to a podcast from a famous chef/designer.	 Listen to the Femmes of STEM podcast.  <a href="https://www.femmesofstem.com/">https://www.femmesofstem.com/</a>
 research and write up about the Space X program and the new technologies it has led to.	 Watch Jamie's 30 minute meals make notes and try a new recipe.	 Visit a local nursery and see how organic produce is grown.
 Demonstrate a new cooking skill you have learnt to the rest of the class.	 Visit a local restaurant and try a new dish or cuisine.	 Watch Food unwrapped on channel 4.
 Create a new design for a local club/group/teams badge or logo	 Research information about 3d Printing and CNC machines.	 Plan a new recipe for a healthy meal/snack
















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|  | Research task  |  | Trip or visit    |
|  | Creative task  |  | Student-led task |


Super Curriculum – Year 9  
Subject: DESIGN & TECHNOLOGY

 Design a Display for a notable Chef/Designer for B Block.	 Find out about 3d Bio-printing.	 Visit <a href="http://www.bbc.co.uk/goodfood">www.bbc.co.uk/goodfood</a> and try a new recipe from one of their pages.
 Attend the Peterborough STEM festival  <a href="http://www.peterboroughstemfestival.co.uk">www.peterboroughstemfestival.co.uk</a>	 Research Renzo Piano and find out how he contributed to London's Skyline.	 Record yourself making a dish step by step and share it with others on social media.
 Create a leaflet for Open Evening about your experiences of D&T at Sandringham	 Watch Jamie's 30 minute meals make notes and try a new recipe.	 Visit the Good Food Show in Birmingham
 Demonstrate a new cooking skill you have learnt to the rest of the class.	 Visit Wembley stadium and find out about its construction	 Buy an A5 booklet and produce a design to reflect your mood each day of the month.
 Create a healthy meal plan for a Family of 4 for a week.	 Watch a video about D&T on <a href="http://tv.data.org.uk/">http://tv.data.org.uk/</a>	 Read Historic Heston by Heston Blumenthal and see how recipes how developed over the years.















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Super Curriculum – Year 10  
Subject: DESIGN & TECHNOLOGY

 Listen to a STEM talk podcast <a href="https://www.ihmc.us/stemtalks/">https://www.ihmc.us/stemtalks/</a>	 Visit Borough market (in London) on a Saturday.	 Take a trip to London during the London Design Festival.
 Design quick and easy to use recipe cards for the kitchen.	 Make a contribution to the Guardians food supplement on their website.	 Listen to the Femmes of STEM podcast.  <a href="https://www.femmesofstem.com/">https://www.femmesofstem.com/</a>
 Create a leaflet for Open Evening about your experiences of D&T at Sandringham	 Write a food blog on healthy eating and provide tips to help students stay healthy.	 Enter a design competition with a group of friends.
 Start a cooking group with a group of friends	 If you have a question about one the recipes you've tried, contact the chef via Twitter, their website or by letter.	 Listen to TED talks on Emerging technologies.
 Visit the Good Food Show in Birmingham	 Visit Harry Potter Studios and see how the films were made.	 Take a walk around St Albans farmers market and get the ingredients for a fantastic new recipe to try at home.
















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Super Curriculum – Year 11  
Subject: DESIGN & TECHNOLOGY

 Visit the Jeyre Museum in London.	 Visit the Four Designers Conference in London	 Research how sports nutrition has become a vital part of an athletes day to day life.
 Listen to TED talks on Sustainable living.	 Attend the Peterborough STEM festival <a href="http://www.peterboroughstemfestival.co.uk">www.peterboroughstemfestival.co.uk</a>	 Listen to a STEM talk podcast <a href="https://www.ihmc.us/stemtalks/">https://www.ihmc.us/stemtalks/</a>
 Visit Pinterest and look for a new idea to try and make at home.	 Demonstrate a new cooking skill you have learnt to the rest of the class.	 Listen to TED talks on a number of the healthy eating.
 Visit the Good Food Show in Birmingham	 Visit the London Design festival at the V&A museum.	 Watch a video about D&T on <a href="http://tv.data.org.uk/">http://tv.data.org.uk/</a>
 Visit <a href="http://www.bbc.co.uk/goodfood">www.bbc.co.uk/goodfood</a> and try a new recipe from one of their pages.	 Give a talk to a KS3 group about your experiences in D&T and why you chose it for GCSE.	 Listen to TED talks on Design & Technology

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





Super Curriculum – Year 12  
Subject: DESIGN & TECHNOLOGY

 Visit the Jeffrye Museum	 Visit the Design Museum for new ideas and inspiration	 Take a trip to London during the London Design Festival
 Enter the Young Designers of the year competition	 Attend one of the many university degree shows for D&T in London.	 Create a leaflet for Open Evening about your experiences of D&T at Sandringham
 Watch a TED talk on Design & Technology	 Listen to a STEM talk podcast <a href="https://www.ihmc.us/stemtalks/">https://www.ihmc.us/stemtalks/</a>	 Start up/support a KS3 D&T Club or activity
 Support a KS3 Technology group during one of your free periods.	 Visit Pinterest and look for a new idea to try and make at home.	 Research and read about Elon Musk's plans for sustainably living and design.
 Design a Display for a design movement or notable designer for B Block.	 Lead a group in a STEM competition.	 Attend the Peterborough STEM festival  <a href="http://www.peterboroughstemfestival.co.uk">www.peterboroughstemfestival.co.uk</a>

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Super Curriculum – Year 13  
Subject: DESIGN & TECHNOLOGY

 Visit the Design Museum for new ideas and inspiration	 Create a leaflet for Open Evening about your experiences of D&T at Sandringham	 Listen to TED talks on Design & Technology
 Attend one of the many degree shows for D&T in London and across the country,	 Give a talk to a KS3 group about your experiences in D&T and why you chose it for GCSE.	 Contact a design studio (local or otherwise) and arrange a visit or see if you can get some work experience.
 Visit the Four Designers Conference in London	 Listen to the Femmes of STEM podcast.  <a href="https://www.femmesofstem.com/">https://www.femmesofstem.com/</a>	 Organise a group and take part in the National Science and Engineering Competition.  <a href="http://www.nsecuk.org/">http://www.nsecuk.org/</a>
 Support a KS3 Technology group during one of your free periods.	 Visit Pinterest and look for a new idea to try and make at home.	 Investigate and research Graphene and its applications to new and emerging technologies.
 Run a Seasonal club or activity that provides opportunities for young enterprise as well as design and make opportunities.	 Watch a video about D&T on <a href="http://tv.data.org.uk/">http://tv.data.org.uk/</a>	 Visit the London Design Fair  <a href="http://www.londondesignfair.co.uk/">http://www.londondesignfair.co.uk/</a>

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# **Sandringham** School

*'Everybody can be Somebody'*