

# Year 11

## Transition tasks - Summer 2021 (Design Technology / Food Science)



<p><b>Watch</b> this TED talk 'Speed up innovation with design thinking'</p>  <p><u>TED talk</u></p> <p>Have a go at completing the 'Coffee filter challenge'. Can you come up with one or more innovative designs?</p> <p>Why not find another product and give it a go!</p>	<p><b>Watch</b> this TED talk 'Why design should include everyone'</p>  <p><u>Ted Talk</u></p> <p>Write a report on your thoughts and findings from Sinead Burkes seminar on why design should include everyone?</p> <p><b><i>In a world so diverse why doesn't design reflect this...?</i></b></p>	<p><b>Watch</b> this TED talk 'Design is in the detail'</p>  <p><u>Ted Talk</u></p> <p>Take a look around your home for an existing product that you feel has existing problems. Can you come up with a better design solution that would improve it? Create a page of freehand proposals using both 2D and 3D visuals to demonstrate your range of ideas.</p>	<p><b>Watch</b> this talk from our very own Harpenden based Ian Pigott discussing farming in Hertfordshire. Watch other You Tube videos of farming and food provenance with Ian.</p>  <p><a href="https://www.youtube.com/watch?v=IS0bUWT4QaA">https://www.youtube.com/watch?v=IS0bUWT4QaA</a></p> <p>Cooking up a connection between farming and food.</p>	 <p><b>Find out how to make a Genoese sponge and how it differs to an ordinary sponge.</b></p> <p><a href="https://en.wikipedia.org/wiki/Genoise">https://en.wikipedia.org/wiki/Genoise</a></p> <p>Find a recipe and have a go!</p>
<p><b>Download</b> TinkerCAD or Sketchup (both are free software options) and practice building design proposals of your own, or existing. You will certainly have an advantage, the better you are at being able to visualise using CAD.</p> 	<p><b>Read</b> 'The design of everyday things'</p>  <p><a href="https://www.academia.edu/38275229/The_Design_of_Everyday_Things_Revised_and_Expanded_Edition">https://www.academia.edu/38275229/The_Design_of_Everyday_Things_Revised_and_Expanded_Edition</a></p> <p><b>Read</b> 'Innovative product design practice'.</p> <p><a href="http://1.droppdf.com/files/gUOXi/innovative-product-design-practice-by-carli-liu.pdf">http://1.droppdf.com/files/gUOXi/innovative-product-design-practice-by-carli-liu.pdf</a></p>	<p><b>Redesign an everyday product - make at least five changes.</b></p> <p><b>Block modelling task:</b> Can you build a quick 3-dimensional prototype using materials found around your home?</p>  <p><b>Materials can range from plasticine, clay, playdough, paper, corrugated cardboard, spiral wound tube, recycled food containers, string, cord, single/ double sided tape etc.</b></p>	 <p><b>Complete</b> this course. (optional) This is to complete your level 2 food safety course as revision for food science. It does cost £20 but you can use it for future jobs, and you receive a certificate at the end!</p> <p><a href="https://www.highspeedtraining.co.uk/food-hygiene/choose-level-2-version.aspx">https://www.highspeedtraining.co.uk/food-hygiene/choose-level-2-version.aspx</a></p>	 <p><b>Watch 2 TED talks on the subject of food waste.</b></p> <p><a href="#">Food waste TED talk</a></p> <p>Think how you could use some of these methods in your everyday life or in school.</p> <p><b>Watch</b> and read about how to make a starter dough and then make your own to become sourdough!</p> <p><a href="https://www.google.co.uk/search?q=sourdough+starter">https://www.google.co.uk/search?q=sourdough+starter</a></p>
<p>Sketch an everyday object - practice your rendering and presentation techniques - use the two books above as inspiration to find your style</p> 	<p>Make a quick prototype for a product for someone with disabilities using materials you can find at home - paper, card etc.</p> 	 <p>BBC How to Make: There are 4 episodes, some are available now, the others will be available in the coming weeks</p> <p><a href="https://www.bbc.co.uk/programmes/m000gwzg/episodes/player">https://www.bbc.co.uk/programmes/m000gwzg/episodes/player</a></p> <p><b>Watch</b> inside the factory: great for understanding mass production and industrial processes.</p> <p><a href="https://www.bbc.co.uk/programmes/b07mddqk/episodes/guide">https://www.bbc.co.uk/programmes/b07mddqk/episodes/guide</a></p>	<p>Visit and revise your nutrition knowledge by visiting the Nutrition Society website.</p> <p><a href="https://www.nutrition.org.uk/">https://www.nutrition.org.uk/</a></p>  <p>The online training is now free! Please explore the website and read up on the latest nutrition information.</p>	 <p><b>Read</b> this article of the economics of food fortification. Do you believe food fortification to be a good idea?</p> <p><a href="https://academic.oup.com/jn">https://academic.oup.com/jn</a></p>

Use the Oak National Academy resources for both design and technology and Food and Nutrition. Look over the lesson content and revise key topics and terminology. <https://classroom.thenational.academy/search>