

Design and Technology Skills Grid



Below are some activities to support your child in developing key skills in Design and Technology.

EYFS and Key Stage 1

<p style="text-align: center;">Designing</p> <p>Design a 3D structure (could be a car, castle, robot etc). Think about what features you want your structure to have and draw your design and label it.</p>	<p style="text-align: center;">Making</p> <p>Build your 3D structure from some recycled materials. Think about how you are going to attach materials together. Remember the importance of using the tools safely.</p>	<p style="text-align: center;">Evaluating</p> <p>Think about what you like and dislike about your finished product. What changes would you make it if you made it again?</p>
<p style="text-align: center;">Visit BBC bitesize on the link below, https://www.bbc.co.uk/bitesize/subjects/zb9d7ty Have a go at completing one of the lessons.</p>	<p style="text-align: center;">Design and make a pop up card.</p>	<p style="text-align: center;">Can you make a person from card or paper, making sure they have moving parts for their arms and legs.</p>
<p style="text-align: center;">Can you make a puppet by cutting and joining fabric?</p>	<p style="text-align: center;">Prepare a healthy picnic for you and your family, remember to think about hygiene practices before you start.</p>	<p style="text-align: center;">Design a poster to explain the importance of food hygiene.</p>

Key Stage 2

<p>Existing product analysis Watch the BBC teach clip and evaluate the furniture in your home. https://www.bbc.co.uk/teach/class-clips-video/art-and-design-ks2-productdesign/znn6jhw</p>	<p>Product Design https://www.bbc.co.uk/teach/class-clips-video/art-and-design-ks2-productdesign/znn6jhw Following on from product analysis make your own product design. What features do you want your furniture to have, what is the best material and why?</p>	<p>https://education.theiet.org/key-stage-1-2-3-and-4-freestem-resources/home-learning-resources-key-stage-1-and-2/ Visit the website for some STEM resources and activities.</p>
<p>Visit BBC bitesize on the link below, https://www.bbc.co.uk/bitesize/subjects/zyr9w_mn Have a go at completing one of the lessons.</p>	<p>Research the designer of your favourite product. Display your findings in a poster.</p>	<p>Design and make a paper aeroplane. What happens if you change your material to card, or you fold differently, or you add paper clips, etc. Compare your different planes, evaluate which flew the furthest and why? Make sure it's a fair test!</p>
<p>Make a puppet thinking about how you can accurately join the materials. Can you use a range of different stitches?</p>	<p>Prepare and cook a healthy meal for you and your family, remember to think about hygiene practices before you start.</p>	<p>Choose your favourite meal and research the ingredients thinking about how they were grown, reared caught or processed. Think about how you can display your findings.</p>