

Design and Technology - Year 1 and Year 2

Below are the Design and Technology units that children will study across Year 1 and Year 2 at The Rydal Academy. They are split in to half terms or terms depending on the length of the unit. There is a brief explanation of each focus area and suggestions for activities that you can do with your child at home to support their learning.

Year 1		Year 2	
Autumn 1	<p>Where does our food come from?</p> <p>Children will learn about the basic food groups of fruit, vegetables and meat. They will also understand where these foods come from i.e. the ground, a farm, the sea etc.</p> <p>Try exploring the food at home and see if the children can separate them into the correct categories of fruit, vegetable or meat. Can they tell you which foods are grown underground and which are above ground?</p>	Autumn 1	<p>Where do different foods come from?</p> <p>Children will learn that not all foods come from the UK and that most foods go through a process such as boiling, peeling, cooking, frying in order for it to be safe to eat.</p> <p>Choose a selection of foods from home – fruit and vegetables would be the best starting point. Can they find the label to say where the food has come from? Which ones were grown in the UK? Use an atlas or google maps to find where some of the locations are in the world.</p>
Autumn 2	<p>I can make a fruit salad</p> <p>Children will learn about how to use utensils such as a knife, fork and spoon correctly, as well as using peelers. They will use these skills to create their own fruit salad.</p> <p>https://www.bbc.co.uk/cbeebies/watch/germs-experiment. Watch the video together and talk about the importance of cleaning your hands before making or eating food.</p>	Autumn 2	<p>I can create a healthy picnic</p> <p>Children will use cutting, peeling, grating and spreading skills to create a fruit skewer and healthy sandwiches for a teddy bear's picnic.</p> <p>Try practising the skills from this topic by hosting your own teddy bear's picnic. Are the children able to choose healthy food choices for their sandwiches and snacks?</p>
Spring 1	<p>What makes a good push a long toy?</p> <p>Children will learn about the features of a push and pull toy, such as how you make them move and the materials they are made of.</p> <p>https://www.bbc.co.uk/bitesize/clips/z74ygk7. Watch the video together and talk about the different materials you can see. Can children find examples of products made of these materials in the home? You could play I-Spy to see if the children recognise the object i.e. I Spy with my little eye something made of plastic.</p>	Spring 1	<p>How do vehicles move?</p> <p>Children will learn about the different types of vehicles and the range of purposes vehicles have i.e. an ambulance, a taxi. They will discover how wheels moving using an axel and chassis.</p> <p>https://www.youtube.com/watch?v=XzG1aPw7YBc Watch the video about The Invention of the Wheel and discuss how this mechanism has influenced transport over time. Compare wheeled vehicles from the past with today. What else has been added to make the transport even better – lights, an engine etc.</p>
Spring 2	<p>I can make a Roly Poly toy</p> <p>Children will use cutting skills to design and create a toy which moves when pushed.</p> <p>Draw different shapes and lines for the children to practise their scissor skills. If possible try different material textures to allow them to cut paper, card or even cardboard. Can they follow the line accurately with the scissors?</p>	Spring 2	<p>I can make a moving vehicle</p> <p>Children will use their understanding of how to create wheels with an axel and chassis and apply this to creating their own moving vehicle from recycled products.</p> <p>Recap on the purpose of different types of transport and vehicles from their previous learning. Can children design their own new transport of the future? How will it move? What will this transport be able to do? Add a description with the design so your teacher knows.</p>
Summer 1	<p>I can explore the process of weaving</p> <p>Children will learn about the different skills needed for weaving and will practise with a range of materials.</p> <p>https://www.youtube.com/watch?v=2XfhYmz12YQ Watch the video and have a go at creating your own animal decoration using paper weaving skills.</p>	Summer 1	<p>What makes a good puppet?</p> <p>Children will learn about the different types of puppets, exploring how they move and the types of materials they are made from.</p> <p>https://www.youtube.com/watch?v=-hL28SkHf1g Create your own shadow puppet show. To make the puppets you will need black card, scissors, a pencil, glue and some bamboo sticks.</p>

Summer 2	<p>I can make a woven decoration</p> <p>Children will use the skills they have learnt in the last half term to create their own woven decoration. This time they will use wool as the main textile material.</p> <p>https://www.activityvillage.co.uk/woven-rainbow-craft Try following the instructions to create your one woven rainbow.</p>	<p>I can make a hand puppet</p> <p>Children will design and create their own fabric hand puppet. They will use running stitch to sew around the outside of the puppet.</p> <p>https://www.youtube.com/watch?v=W4nhj8kMpAI Showcase your sewing skills. Watch the video to help understand how to create a running stitch. Can children follow a straight line on a piece of fabric using a running stitch?</p>
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