

Tollgate Primary School Curriculum Overview

DT Overview

	<u>Autumn 1</u>	<u>Autumn 2</u>	<u>Spring 1</u>	<u>Spring 2</u>	<u>Summer 1</u>	<u>Summer 2</u>
Nursery (EAD)	<p><u>All About Me</u></p> <ul style="list-style-type: none"> -Making models of themselves -Creating faces 	<p><u>Eating</u></p> <ul style="list-style-type: none"> -Trying new foods -Mixing tastes together 	<p><u>Superheroes</u></p> <ul style="list-style-type: none"> -Exploring comic books and how the art looks different -Cutting out pictures of their favourite superhero 	<p><u>Animals</u></p> <ul style="list-style-type: none"> -Making animals out of Play-Doh -Naming features they are making 	<p><u>Cutting and Sticking</u></p> <ul style="list-style-type: none"> -Using scissors with increased control -Understanding the use of glue 	<p><u>Transport</u></p> <ul style="list-style-type: none"> -Drawing basic transports -Making cars from simple materials
Reception (EAD)	<p><u>Cooking</u></p> <ul style="list-style-type: none"> -Understand the importance of cooking -Creating recipes -Role playing 	<p><u>Cooking</u></p> <ul style="list-style-type: none"> -Making a range of foods -Experiencing the taste of a range of foods 	<p><u>Shapes</u></p> <ul style="list-style-type: none"> -Cutting and sticking -Making shape pictures -Improving techniques 	<p><u>Animals</u></p> <ul style="list-style-type: none"> -Making animals using Play Doh -Thinking about scale 	<p><u>Habitats</u></p> <ul style="list-style-type: none"> -Making habitats -Plan and make using a range of resources explaining their choices 	<p><u>Scientific enquiry</u></p> <ul style="list-style-type: none"> -Making boats -Selecting materials to make boat -Connecting materials together
Year 1	<p><u>Growing Greenhouses.</u></p> <p>Children to research, design and create a greenhouse made from recycled materials. Children to cut, join and assemble green house and test effectiveness of design by growing seeds.</p>		<p><u>Snappy Snacks</u></p> <p>Chn to investigate different recipes and healthy foods. Children will produce healthy snacks using oats, honey and various fruits.</p>		<p><u>Pop up Pictures.</u></p> <p>Children to investigate a variety of different pop up books and ways of making pictures move eg: hinges, springs, etc. Children to create own pop up card based around a popular fairy tale.</p>	
Year 2	<p><u>Sandwich Making</u></p>		<p><u>Pretty Packaging</u></p>		<p><u>Perfect Puppets</u></p>	

	Children will research, design and make a healthy sandwich for a packed lunch. They will start to inform design with audience research	Children will research variety of existing products. They will design and create a container for a new chocolate bar, including net and design of branding	Children to design and create their own hand puppet. Children will create a prototype pattern, then cut and sew fabrics pieces joining together using stitching/ gluing.
Year 3	<p><u>Simple Salads</u></p> <p>Children to research different recipes and salads from around the world, Focus on food preparation eg: chopping, grating peeling, slicing, mixing and spreading and food hygiene.</p>	<p><u>Containers</u></p> <p>Children to design, and make an alternative to a plastic bag. They will test materials for strength, investigate ways of joining, folding and strengthening before testing their bag for durability.</p>	<p><u>Whizzing Wheels</u></p> <p>Children to design and make their own car propelled by a balloon. Children will explore axles and wheels. Children will measure/ saw and join wood to create wooden frame.</p>
Year 4	<p><u>Pizza Parlour</u></p> <p>Chn design and create recipe for a pizza. Investigate pizza menus and choose selection of different toppings to add to base based on market research. Children will consider the nutritional values of foods and their intended audience when designing.</p>	<p><u>Emergency Shelters</u></p> <p>Children will create an emergency shelter in response to a natural disaster. They will create a design brief and a set of criteria to work to and test their shelters to see how effective they are.</p>	<p><u>Building Bridges</u></p> <p>Research on the bridges and shapes within them. Children to make choices around materials and techniques to strengthen and test a bridge. Build a bridge to hold a weight.</p>
Year 5	<p><u>Musical Instruments</u></p> <p>Children will make and create a musical instrument. They will research instruments from around the world and how the shape, design and function changes the pitch, tone and frequency of sounds.</p>	<p><u>Baking Bread</u></p> <p>Chn to use salt dough when making their proto-type. Investigate various recipes and alter recipe according to different ingredients and influences from world recipes.</p>	<p><u>Renewable Energy</u></p> <p>Children will research and develop a mechanical prototype for a renewable energy source. They will create a design brief, select their own materials and evaluate their design against the criteria.</p>
Year 6	<p><u>International Recipes</u></p> <p>Children will gain an understanding of where food comes from and how it is</p>	<p><u>Controllable Cars</u></p> <p>Chn to design and create electronic car, Research different cars design and</p>	<p><u>Fun Funfairs</u></p> <p>Research different fairground rides. Children to design and create</p>

	produced. They will research design a meal based on a world cuisine and seasonality.	different electrical systems on a car. Chn to create framework using wood and join. Create an electric motor.	fairground rides using model kits and recycled materials. They will look at mechanisms that use cams, pulleys, handles, axles and springs to create movement
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