



Prince Avenue Academy and Nursery Design & Technology Curriculum & Overview

EYFS – 6 Subject Overview: Design and Technology

	Autumn	Spring	Summer
Nursery (2-3)	I am learning to explore different materials Use my senses to explore materials	I am learning to make using different materials - Explore different materials - Choose materials to use - Join materials together with support	I am learning to make using different materials - Talk about what I have made - Make with purpose
Nursery (3-4)	I am learning to explore different materials - Use my senses to explore materials - Join materials together with support - Explore colour mixing	I am learning to make using different materials - Explore different materials – commenting on the different textures of the material - Choose materials to use - Join materials together in different ways – Sellotape, glue, folding - Talk about colour mixing	I am learning to make using different materials - Talk about what I have made - Make with purpose - Choose appropriate materials for my creations - Mix colours for a purpose
Reception	Joining materials / Using materials for a purpose - Folding card - Cutting out - Joining in different ways - Designing and evaluation ideas Focus: Pop up/simple slider mechanism card	Using Materials for a purpose - Choose a material - Explain why a material is chosen - Use different ways to join materials together – glue, tape - Evaluate work Focus: Making boat	Cooking and Nutrition - Talk about basic food hygiene - Design a cookie - Talk about how it was made Focus: Butterfly cookies
Year 1	Cooking and nutrition Fruit & Vegetables <i>To design and make a healthy fruit smoothie for a PTA event.</i>	Textiles Textiles: Puppets <i>To design and make a character puppet to retell a story to a Reception child.</i>	Mechanisms Wheels and axles <i>To design and make a moving vehicle for a child aged 1-3 years old.</i>



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Year 2	Mechanisms Making a moving monster <i>To design a mechanical toy for a Reception aged child</i>	Structures Baby Bear's Chair <i>To make a strong/stable chair for a small teddy bear</i>	Cooking and nutrition A balanced diet <i>To design and make a healthy wrap for a year 2 child</i>
Year 3	Textiles Cross stitch and applique <i>To design and make a Christmas decoration for the school Christmas tree</i>	Mechanical systems Pneumatic toys <i>To design and make a pneumatic toy for a KS1 child</i>	Cooking and nutrition Eating seasonally <i>To design and make a seasonal tart for an end of year summer picnic</i>
Year 4	Electrical Systems Torches <i>To design and make a torch for an 8–11-year-old</i>	Cooking and nutrition Adapting a recipe <i>To design and make a pack of biscuits costing £1.99</i>	Structure Pavilions <i>To design a building inspired by the Romans (Vikings Ties in with rest of subject)</i>
Year 5	Structures Bridges <i>To design a make a wooden footbridge for pedestrians to cross</i>	Cooking and nutrition What could be healthier? <i>To develop a Bolognese recipe to improve nutritional content for a local family</i>	Textiles Stuffed Toys <i>To design and make a soft, stuffed toy for a KS1 child to use in a calm area of the classroom.</i>
Year 6	Mechanical systems Automata toys <i>To design and make an automata toy to help a Year 1 child retell a class novel</i>	Electrical Systems Steady hand game <i>To design and make a fun and engaging game for an 8–11-year-old using an electrical circuit.</i>	Cooking and nutrition Come dine with me <i>To design and make a 3-course meal for a family of 4</i>