



Pinehurst Primary School

Design and Technology Overview 2021-22

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
LPC	Notices and is interested in the effects of making movements which leave marks. Shows control in holding and using jugs to pour, hammers, books and mark-making tools. Experiments with blocks, colours and marks.					
LA	Can cut snips of paper. Build and stack objects and join objects togetherBuild with a purpose in mind. Experiment with colour and texture. Use simple tools to shape, assemble and join materials – glue, paste, scissors, tape. Carve and make shapes into modelling materials. Sort materials by colour. Use a variety of construction materials. Beginning to construct by stacking blocks vertically and horizontally, making enclosures and creating spaces. Join construction pieces together to build and balance. Realise tools can be used for a purpose. Use one-handed tools and equipment e.g. makes snips in paper with scissors.					
Reception	Use scissors along straight and curved shape. Build and join 3D structures using a range of materials for a specific purpose.Experiments with colour, design, texture and function. Use a wide range of tools with greater accuracy to shape, assemble and join materials – glue, tape, scissors, string, staples, clips, weaving.Sort materials by colour and texture. Show increasing control over an object in pushing, patting, throwing, catching or kicking. Construct with a purpose in mind using a variety of resources. Use simple tools and techniques competently and appropriately. Select appropriate resources and adapt where needed. Select tools and techniques to shape, assembly and join materials. Safely use and explore a variety of tools, materials and techniques experimenting with colour, design, texture form and function.					
1		Mechanisms: Sliders and Levers <i>Moving Pictures: Link to book /topic</i>		Cooking & Nutrition: <i>'Sensational Salad' and understanding where food comes from.</i>		Materials and Textiles: <i>Puppets- Sewing</i>
2		Cooking & Nutrition: <i>Dips and Dippers (and learning about healthy and varied diet)</i>		Mechanisms:Wheels and Axles <i>Make a moving vehicle for a softtoy (link to science: exploring forces)</i>		Structures: Freestanding Structure <i>Building a zoo enclosure</i> <i>NC: Build structures, exploring howthey can be made stronger, stiffer and more stable (link to science animals including humans)</i>
3		Structures: 3D Shell Structures <i>Making a Biscuit Box</i> <i>NC: Apply understanding of how to strengthen, stiffen and reinforce more complex structures: 3D Shell Structure</i>		Cooking & Nutrition:' <i>"Sandwich Snacks' and applying the principles of a healthy and varied diet.</i>		Materials and Textiles: <i>Pencil Cases- Sewing</i> <i>NC: Select from and use a wide rangeof materials including textiles...perform practical tasks such as joining</i>
4		Mechanisms: Levers and Linkages		Cooking & Nutrition: <i>Super Seasonal Food'</i> <i>NC: Know where and how a variety of ingredients are grown, reared,caught and processed</i>		Electrical Systems: <i>Creating Torches</i> <i>(Link to science -Light)</i>
5		Cooking & Nutrition: <i>'Baking Bread'</i> <i>NC: Prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques e.g. kneading, baking.</i>		Materials and Textiles: <i>Link to WW2 history-make do and mend/ re-use materials.</i> <i>Bag/slippers/cushion</i>		CAD- Computer Aided Design <i>Programming physical objects- nightlight or buzzer. Recap Computer Programming.</i>
6		Cooking & Nutrition: <i>Global Food & Food Miles</i> <i>Links: Ancient Greece</i>		Structures: Wood Work <i>NC: Apply their understanding of how to strengthen, stiffen and reinforce more complex structures</i>		Mechanisms: Electrical and Mechanical Systems <i>Design a Fairground Ride</i>