

Long term Planning – Design and Technology Overview



Slaley First School

Long Term overview – Design and Technology Content Year A

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Learning and Development Requirement EAD Nursery/ Reception	Special People Experiment with tools and techniques to join materials together	Festivals & Special Times Make props to be used in in role play, drama and dance	Traditional tales Experiment with texture, form and function	Food and Growth Share creations and explain processes	Wild Animals Explore freely in order to create designs and think about what they would like to make	Down by the sea To explore which materials sink and float in order to design and make my own boat
Year 1/2	Art and Design Focus	Designing a photograph Frame Design, make and evaluate photograph frames for a special photo.	Art and Design Focus	Seaside Snacks Identifying different savoury foods and following instructions to make a savoury snack / Identifying a variety of fruits and vegetables before using these to make edible boats. Learning about the health benefits of a variety of fruits before using fruits to make edible seaside sculptures	Art and Design Focus	Houses and Homes Identifying different types of houses around the world, and their shapes and features. Joining and combining objects (e.g. boxes) to make the shape of a house. Creatively using a variety of materials to make interior features of a house, such as furniture. Designing a model house for a particular purpose. Following their designs to make their model houses. & Evaluating their completed model houses
Year 3/4	Art and Design Focus	Seasonal Stockings: Designing, creating and decorating a Christmas stocking. Developing key joining skills and a variety of sewing techniques.	Art and Design Focus	British Inventors: Exploring and producing work inspired by famous British inventors. Developing technological knowledge and applying it throughout the design process.	Art and Design Focus	Sandwich Snacks: Designing, making and evaluating healthy Sandwiches. Developing an understanding of the key principles of a balanced diet.

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	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Learning and Development Requirement EAD Nursery/ Reception	Topic: Home Sweet Home Experiment with tools and techniques to join materials together	Topic: Festivals and Special Times Make props to be used in in role play, drama and dance	Topic: Julia Donaldson Stories Experiment with colour as an element of design	Topic: Around the World Explore a range of techniques used in creating and building	Topic: Dinosaurs Experiment with form and function through creating moving models	Topic: Hunting for Treasure Refine ideas in designs created
Year 1/2	Art and Design focus	Puppets Investigating and describing a range of different puppets and their features. Working with felt to create a simple finger puppet, using glue to join fabric. Practising sewing skills to perform simple stitches and add features to fabric, such as buttons. Designing a glove puppet. Following a design to make a glove puppet. Evaluating a finished glove puppet	Art and Design Focus	Moving Minibeasts Children will find out what a sliding mechanism is, and how it can be used to make a simple moving picture. Children are shown a moving picture with a lever and pivot mechanism and asked to explain how they think it works. They will then explore and discuss how it has been made, looking at how to hide the lever at the back of a picture too. Children use the resources provided to create moving pictures of minibeasts using the lever and pivot mechanism.	Art and Design Focus	Vehicles Children to explore and discuss a variety of different vehicles, their features and what they are used for. They will choose their favourite vehicle to compare, draw and label. Children to understand how different parts of a vehicles help to make them work. They will practise attaching wheels to axles and chassis. They know a vehicle has a body.
Year 3 / 4	Seasonal Foods: Designing, making and evaluating a seasonal menu. Developing an understanding seasonality how a variety of ingredients are grown, reared, caught and processed.	Art and Design	Light-up Signs: Researching and designing an innovative product for a group of children. Developing an understanding of electrical systems and incorporating this throughout their design.	Art and Design	Making Mini Greenhouses: Exploring the purpose and structure of a greenhouse. Developing an understanding of appropriate materials and how structures can be made stable.	Art and Design

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Long Term overview – Design and Technology Content Year C

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Nursery/ Reception	Topic: Environment Explorers Experiment with tools and techniques to join materials together	Topic: Festivals and Special Times Make props to be used in in role play, drama and dance	Topic: Nursery Rhymes Explore the use of tools and materials to create a response to a stimulus e.g a nursery rhyme	Topic: Journeys and Transport Share creations and explain processes through process-driven art and design work	Topic: Woodland Animals Use a range of natural materials to build and construct	Topic: Reduce, Reuse, Recycle Refine ideas in designs created