

PEASES WEST PRIMARY

Design & Technology - 2 Year Rolling Curriculum Programme

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Possible whole school yearly celebration events/high profile events: Light Parade, London Fashion Week, British Stem Week, Chinese New Year, Mother's/Father's Day and DT week			
Year Groups	AUTUMN	SPRING	SUMMER
EYFS	Expressive Arts and Design (Exploring and Using Media and Materials) Physical Development (Moving and Handling) Use construction materials for building representations- blocks and boxes (Buildings/local area) Baking and making - observing changes through cooking including playdough - Chinese New year food Using tools and equipment safely Food hygiene procedures	Expressive Arts and Design (Being Imaginative) Physical Development (Moving and Handling) Learn to use different ways to join materials - glue, tape, hole punch, string etc Exploring toys and mechanical objects including taking things apart. How do they work?	Expressive Arts and Design (Being Imaginative) Learn how to use different materials to create different effects e.g. things that can move How to keep a healthy body
KS1 (Year A)	(Homes) How can we design and make a house so it is safe? Children will become architects and design, make and evaluate their own model houses.	(Moving Pictures) How can you bring a story book to life? Imaginations will be soaring as children think up exciting and inventive ways to bring their pictures to life through a variety of moving mechanisms. They will explore sliders, levers, pivots and wheel mechanisms and how they can be used to make different parts of a picture move.	(Making healthy snacks) Why are fruit and vegetables an important part of our diet? Children will learn about healthy eating as they explore a variety of fruits and vegetables, what they look like, taste like and feel like, as well as how to prepare fruits and vegetables through cutting, grating, peeling and more. They will then have the challenge of designing, making and evaluating their own salad or smoothie.
Career Suggestion	Builder	Illustrator	School Cook

KS1 (Year B)	(Perfect Pizzas) How can we create a perfect pizza? Children will get excited about healthy eating as they explore pizzas, discovering what a variety of toppings and bases look like, taste like and feel like. They will then have the challenge of designing and making their pizza to meet a design brief and evaluate it based on the criteria.	(Vehicles) What do we need to know to make a vehicle fit for purpose? Children will investigate a variety of different vehicles before undertaking the fun task of designing, making and evaluating their own vehicle. They will learn all about wheels, axles and chassis and how they are combined to make the framework of the vehicle, as well as how to create an eye-catching body.	(Puppets) What do we need to think about when designing a puppet? Children will work with fabric to create their own puppets. Starting off by looking at simple finger puppets, they will then develop and refine their sewing skills before designing, creating and evaluating their own glove puppets.
Career Suggestion	Pizza Express Visit	Mechanic	Seamstress
LKS2 (Year A)	(Seasonal Food) How can seasonal food contribute to a healthy diet? Why are certain foods in season at different times of year? Why is it good to eat seasonal food? How can we include seasonal food in a healthy, varied diet?	(Torches) How can we use our knowledge and skills to create a torch? Children will investigate materials, uses and components. Children will look at a variety of torches, identifying features and considering their uses. They then draw and label a diagram of a torch to show its components and examine and compare a variety of different torches.	(Pencil Cases) How can we make a pencil case to keep our pencils safe? Children will explore different types of pencil cases and their features, and practise their sewing skills, before designing making and evaluating their own pencil cases for a particular purpose.
Career Suggestion	Nutritionist	Torch Maker	Product Designer
LKS2 (Year B)	(Seasonal Stockings) What design criteria needs to be included to make a Christmas stocking? Children will develop and use their knowledge of, and skills in, a variety of sewing techniques for joining and decorating fabric in order to design and make their very own Christmas stocking!	(Sandwich Snacks) How do we create a healthy, delicious sandwich? Children will explore different food groups and learn how to translate these into healthy, balanced sandwiches. Get their taste-buds tingling as you taste and test a variety of sandwich fillings and types of bread, then challenge children to design, make, eat and evaluate their own healthy sandwich snacks!	(Alarms) How can electrical components be used to design and create an alarm? Children will experiment with circuits and switches before taking on the challenge of designing, making and evaluating their own alarm systems for a particular purpose. Will they be guarding diamonds, apprehending burglars or improving fire security?! The choice is theirs...
Career Suggestion	Local Craft Maker	Marketing Office	Electrician

UKS2 (Year A)	(Building Bridges) What makes a successful bridge design? Children will learn all about different types of bridges and the structures that support them. With practical, differentiated activities, culminating in an exciting prototype/model bridge building challenge.	(Fashion & Textiles) Why is effective hand-stitching needed in textile design? Take a look at how textiles are used in the fashion industry, then design, cut, stitch and decorate a stylish drawstring bag.	(Bread) How do we design and make bread fit for a celebration? Children will have the mouth-watering task of tasting a variety of different breads and thinking about how bread can contribute to a balanced diet before going on to design, make, evaluate (and, of course, eat!) their own breads.
Career Suggestion	Engineer	Fashion Designer	Baker- Local Bakery visit
UKS2 (Year B)	(Programming Pioneers) How can we model and communicate our ideas? How do the electrical products all around us work? Challenge children to consider this and many other questions about computer-controlled products as they discover how simple computer systems may be constructed and programmed to make products work.	(Fairground) What makes an exciting fairground ride? Children are challenged to design, build and create their own rotating fairground rides.	(Great British Dishes) What makes a national dish? Children will explore some sweet and savoury national dishes of England, Scotland and Wales, before moving on to developing an understanding of how cuisines from other countries have influenced what is eaten in Britain today. Finally, children will practise the important life skill of how to plan and shop for a meal!
Career Suggestion	ICT Technician	Influencer	Chef