

OCEPS DT Whole School Overview

	Project 1	Project 2	Project 3
Year 1	DT: Boat Skills focus: Combining materials using different methods and materials. Outcome: Design, make and evaluate a boat that will be the right shape to float in water.	DT: A moving picture book page. Skills focus: Folding and cutting with accuracy. Outcome: Design, make and evaluate a page from a book that has a moving element.	Cookery: Breakfast Fruit Crunchy Bran Pots Pitta Pizzas Pasta Salad Skills focus: measure, weigh, chop, mix, grate, use a tin opener, spread. Basic food hygiene.
Year 2	DT: Tudor Style House Skills focus: Attaching various sized boxes and developing finishing techniques. Outcome: Design, make and evaluate a collaborative a street scene using all of the houses made.	DT: Hand Puppet Skills focus: Sewing using running stitch and back stitch. Outcome: Design, make and evaluate a hand puppet with a superhero theme.	Cookery: Garlic Bread Couscous Salad Berry Mess Skills focus: chop, cut, stir, crush, mix, weigh, measure, peel, spread. Hygiene and food safety procedures.

Year 3	DT: Bridge – linked to bridges looked at as human features. Skills focus: Building for strength, considering shapes and how to stiffen, strengthen and reinforce paper / card. Outcome: Design, make and evaluate a bridge that will hold a specified weight over a span with a specified gap.	DT: Shadow Puppets – linked to Science topic of Light. Skills focus: Accurate and intricate cutting using scissors and a craft knife safely. Outcome: Design, make and evaluate a shadow puppet and present as a performance to peers.	Cookery: Shortbread Shapes Cheese Straws Curried Tuna Pitta Bread Skills focus: weigh, measure, mix, rub, roll, cut, sift, grate, pour. Hygiene, safety with sharp tools, allergy awareness
Year 4	DT: Seasonal Stocking Skills focus: explore different stitch types, join two pieces of fabric, hidden knots, sew on a button, embroidery and applique. Outcome: Design, embellish and evaluate Christmas themed stocking.	DT: Electronic or magnetic game Skills focus: Develop a game design that is enhanced through incorporating science. Use skills to attach various materials in a robust way. Outcome: Design, make and evaluate a working game that can be played.	Cookery: Honey Roasted Vegetables Banana Bread Fruity Flapjack Skills focus: weigh, measure, mix, mash, grate, melt, pour, cut, scrub, slice, bake. Hygiene, safety with sharp tools, allergy awareness.

Year 5	DT: Moving Vehicle Skills focus: Create a prototype, test methods for attaching wheels and an axle to chassis in order that wheels can move. Explore ways to power the vehicle. Introduce using a hacksaw for wooden dowelling. Outcome: Design, make and evaluate a vehicle with moving wheels, using a power source.	DT: Toy Skills focus: Create a toy with moving parts, incorporating science knowledge about cams, pulleys, levers. Outcome: Design, make and evaluate a moving toy.	Cookery: Tinned Fruit Crumble Cheese and Sweetcorn Scones Cheese and Veg Pasta Bake Skills focus: grate, mix, measure, knead, weigh, chop, cut, pour, shape, stir, opening a tin, draining, slice, rub, sprinkle, boil, . Hygiene, safety with sharp tools, allergy awareness, oven safety. Awareness of seasonality and availability of foods depending on location.
Year 6	DT: Viking House Skills focus: Plan using cross-sectional and exploded diagrams. Measure, cut and join wood to make a strong, stable structure. Use a hacksaw and glue gun for more permanent fixings. Outcome: Design, make and evaluate a Viking House, considering how accurate and robust the final structure is.	DT: Christmas Decoration Skills focus: Use textiles to make a Christmas decoration to include sewing techniques, using a variety of stitching styles, to join materials. Use pins to assemble prior to sewing. Outcome: Design, make and evaluate a Christmas decoration. Consider the aesthetic quality of the final product.	Cookery: Bread Fairy cakes Baked Onion Bhajis Skills focus: chop, measure, weigh, mix, bake, break an egg, sieve, grate, knead. Follow safety guidelines and hygiene requirements more independently. Show an awareness of seasonality and food sources.