



Singlewell Primary School – DT Curriculum Overview 2026/2027



	AUTUMN	SPRING	SUMMER
EVFS – expressive arts & design	<u>Exploring different materials</u> NC Link: build structures, exploring how they can be made stronger, stiffer and more stable PD: Building Confidence & Independence - Independent decision-making, Confidence in trying unfamiliar materials. Communication and language – developing expressive language. Activities: indoor and outdoor materials, cutting, sticking, junk modelling Material investigation stations — trays with fabric, foil, wood, plastic, cardboard, natural materials.	<u>Building with different materials</u> NC Link: select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing] PD: Fine and gross motor - Strengthening hand muscles. Developing safe tool use; Improving control and coordination. Activities: construction play, indoor and outdoor materials, junk modelling Encourage children to choose their own materials for simple builds (crowns, bridges, models)	<u>Exploring and Building with different materials</u> NC Link: select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing] PD: Fine and gross motor - Strengthening hand muscles, developing safe tool use & improving control and coordination Activities: construction play, indoor and outdoor materials, junk modelling. Encourage children to choose their own materials for simple builds (crowns, bridges, models)
Year 1	<u>3d dinosaurs</u> NC Link: generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology PD: Creativity & Imagination - Risk-taking with ideas Problem-Solving & Resilience - Logical reasoning. Ability to test, adapt, and improve Activities: What is a sculpture? Research, design and create with recycled materials.	<u>Castles</u> NC Link: to use a range of materials creatively to design and make products PD: Teamwork & Social Skills – turn taking, respecting roles. Self-Reflection & Evaluation – growth mindset. Activities: Research castle features. Design Junk modelling to build.	<u>Collage and 3D design</u> NC Link: to develop a wide range of art and design techniques in using colour, pattern, texture, line, shape, form and space PD: Creativity & Imagination – visualise ideas in 2D and 3D. Emotional development and well-being - Sense of belonging and pride. Activities: Collage flowers Natural materials Design mini garden Create.

Year 2	Fire engines NC Link: explore and use mechanisms [for example, levers, sliders, wheels and axles], in their products. PD: Confidence & Independence – selecting tools, confidence using own tools. Creativity & Design Thinking - Understanding Real-World Purpose – awareness of community helpers. Activities: Research fire engines. Wheels axels and chassis Design fire engine Build with range of tools and materials.	Fruit salads NC Link: understand and apply the principles of nutrition and learn how to cook. use the basic principles of a healthy and varied diet to prepare dishes ♣ understand where food comes from. PD: Healthy Living & Self-Awareness – understanding of healthy habits. Making choices based on taste, nutrition, and texture Activities: Food safety Explore fruits and veg Design salad, create, evaluate	Sewing NC Link: select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing] PD: Fine Motor Skills & Physical Development - Precision and control, Hand-eye coordination, Strengthening small hand muscles. Resilience & Problem-Solving – growth mindset, logical thinking. Activities: Design Threading and needle practice Create Evaluate
Year 3	Antarctica – reusing plastics NC Link: build structures, exploring how they can be made stronger, stiffer and more stable PD: Environmental Responsibility & Citizenship - Awareness of sustainability. Sense of responsibility for nature. Creativity & Design Thinking – creative thinking with purpose Activities: DT – Bird Feeders What animals live here? What is an iceberg? What do we know about this continent? Research animals, icebergs. Antarctica pop up sensory scene,	Ancient Egypt NC Link: use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design PD: Creativity & Imagination – confidence expressing ideas. Cultural Understanding & Respect – respect for history, cultural awareness. Activities: DT – Egyptian Death Masks Who are Egyptian's? What is a death mask? Why did they have them? Research death masks, plan different designs, create own mask.	Mosaics NC Link: critique, evaluate and test their ideas and products and the work of others select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities PD: Fine Motor Skills & Hand-Eye Coordination – precision and control. Creativity & Visual Design Thinking - Creative decision-making. Confidence expressing artistic ideas Activities: Discuss roman mosaics – what is liked/disliked? Plan, create, evaluate.

Year 4	Cooking, and nutrition NC Link: understand and apply the principles of nutrition and learn how to cook. understand and apply the principles of a healthy and varied diet ♣ prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques ♣ understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed. PD: Independence & Life Skills– real life skills and independence in the kitchen. Safety Awareness & Self-Management – confidence using tools safely. Activities: What do we associate with Christmas? Explore gingerbread houses and look at different examples/designs. Create own.	3d building sculptures NC Link: use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, critique, evaluate and test their ideas and products and the work of others PD: Creativity & Imagination – ability to take creative risks. Fine Motor Skills – tool handling, eye co-ordination. Activities: Research different style masks. What are these masks and what are they used for? Plan, create and evaluate.	Textiles NC Link: Apply their understanding of how to strengthen, stiffen and reinforce more complex structures. Understand and use electrical systems in their products PD: Creativity & Personal Expression – imagination and visual design thinking, ownership. Problem-Solving & Adaptability – ownership when things go wrong, resilience. Logical thinking. Activities: making torches.
Year 5	Textiles NC Link: select from and use a wider range of materials and components, including construction materials and textiles. PD: Problem-Solving & Adaptability – logical thinking, resilience when things go wrong. Self-Reflection & Evaluation Skills Activities: Design & make felt Gingerbread men.	Food: Danish Pastries NC Link: select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities PD: Healthy Living & Nutrition Awareness - Knowledge of healthy eating. Ability to make good lifestyle choices. Awareness of nutrition and wellbeing Activities: Greek pastries	Mechanics and levers NC Link: understand and use mechanical systems in their products [for example, gears, pulleys, cams, levers and linkages] critique, evaluate and test their ideas and products and the work of others PD: Understanding of Real-World Engineering – awareness of engineering in daily life. Safety Awareness – safe working practices. Activities: Moving story books

Year 6	Food : Tortilla pizzas NC Link: select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities understand and apply the principles of nutrition and learn how to cook. critique, evaluate and test their ideas and products and the work of others PD: Understanding Healthy Choices & Nutrition – awareness of balanced meals. Independence & Real-Life Cooking Skills – planning and sequencing skills. Activities: Eat well plate. Research different ingredients, and types of pizzas – toppings etc. Design pizza box. Design own pizza Make and evaluate.	Funky furnishings NC Link: select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately select from and use a wider range of materials and components, including construction materials, critique, evaluate and test their ideas and products and the work of others PD: Safety & Responsibility – awareness of hazards, responsible behaviour. Evaluation & Reflection -Analytical thinking. Honest self-assessment. Pride in a high-quality finished product. Activities: Investigate and analyse different types of cushions. Practice different types of sewing skills – running stitch, back stitch, over stitch etc. Design and create own cushion.	Building bridges. NC Link: build structures, exploring how they can be made stronger, stiffer and more stable PD: Critical Research Skills - Understanding how engineering works in real life. Curiosity about the world around them Practical Construction Skills – careful, accurate craftsmanship. Activities: Research different types/styles of bridges. What are they used for? Why do we need them? What's sturdy about them? Create own bridge.
--------	---	---	---