**Design & Technology Framework**

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|  | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
| Nursery | **Creating with Materials**Children will explore different materials freely to develop their ideas about how to use them | **Creating with Materials**Children will create closed shapes with continuous lines and begin to use these to represent objects | **Creating with Materials**Children will develop their own ideas and then decide which materials to use to express them |
| Reception | **Creating with Materials**Children will know which glue or tape to use for their chosen purpose | **Creating with Materials**Children will learn how to mould clay | **Creating with Materials**Children will learn how make the flange join and treasury tag join |
| Year1 |  | D & T PoP 1 -2Preparing Fruit & VegetablesOn visit to shops, link with history, changes within living memory, buy products to make a salad**Fantastic Fruit** |  | D & T PoP 1-2Wheels and axles:Make a toy bus for class toy to move around the room**Let’s look at vehicles** |  | D & T Pop 1 – 2 Templates and Joining: Make a bag for collecting samples at the park linked to materials in Science, fieldwork and plants and animals.**Fancy a bag?** |
| Year 2 |  | D & T PoP 1-2Sliders and levers:Make a card/information book about the events in History or the UK- Great Fire of London.**Moving history book** |  | D & T Pop 1 – 2Freestanding Structures e.g. make a support for plants to grow up e.g. beans/ sunflowers/ raspberries (for summer D & T)Link to Eco School- Mr Nolan.**Whose home?** |  | D & T Pop 1 – 2 Preparing Fruit & VegetablesGrow some fruit and make a world fruit kebab from bought fruits., link to geography, naming continents etc**Fantastic Fruit** |
| Year 3 |  | D & T Pop 3 – 4 e.g. Make a soup using vegetables found in Iron Age.**Celebrating seasonality** |  | D & T PoP 3-4Shell structurese.g. Make a storage box for rock samples liked to science, or a postcard collection from around the UK or a Christmas gift box etc.**Hinges and catches** |  | D & t PoP 3 – 4Levers & Linkagese.g. make an information book on the forces/ Ancient Civilisations – wheel/ moving stone on rollers.**Moving history book** |
| Year 4 |  | D & T PoP 3-4A healthy and varied diet Look at diets in Europe and make a healthy diet – Greek Salad, fish, A Greek Meze!**Super salads** |  | D & T PoP 3 – 4 2D Shape – 3D ProductMake a drawstring string bag for themselves for any purpose (for storing Lego, a washbag, jewellery etc) based on the Roman Bulla.**Bendy bags** |  | D & T PoP 3 – 4Simple Circuits & switchesLink to Science. Can you make a warning buzzer or a model of a Roman Soldier as a toy where you can make his eyes light up and switch them on and off?**Designing and making alarm circuits using inputs with computer control** |
| Year 5 |  | D&T 5-6 PoPCombining different fabric shapes to make a quilt gift / tapestry showing the cities/ counties of the UK**Designing with Textiles** |  | D & T PoP 5 – 6e.g .soup.Linked to class culture.**Celebrating seasonality & culture** |  | D & T PoP 5 – 6Pulleys & gearsMake a model theme park for younger children.**Gears and Pulleys** |
| Year 6 |  | D&T 5-6 PoPCelebrating seasonality and culture.Relate to History Topic of WW2**Celebrating seasonality & culture** |  | D&T 5-6 PoPFrame structures e.g. Make an outdoor structures eg Air Raid Shelter.Make prototype of the above. |  | D&T 5-6 PoPMore complex circuits Make an alarm system for a car. Linked to Science – Electricity.**Designing and making alarm circuits using inputs with computer control** |