Cycle 1	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Renishaw	**All About Me** **Textiles** **Fabric Mini-Me** Pupils will look at cutting and joining techniques to make their own mini-me's. They will practise using glue, paper fasteners and a stapler to join materials to create their own fabric face. Pupils will explore, use and refine a variety of artistic effects to express their ideas and feelings.	**Scrumdidlyumptious / Celebrations** **Food and Nutrition** **Making bread, jelly & pasta** **Making a healthy lunchbox /kebab** Pupils will look at and talk about the different types of food that they have at different points in the year. They will look at seasonal vegetables and fruits and taste these and talk about healthy and unhealthy. Pupils will also talk about the equipment used to prepare these and practice safety chopping, washing and preparing. Pupils will also look at how food changes when cooked, melted... Pupils will develop their small motor skills so that they can use a range of tools competently, safely and confidently such as scissors, knives, forks and spoons.	**What a wonderful World** **Mechanisms** **Storybox with a moving picture.** Pupils will learn how to make a slot and slide, a flange and a hinge for the moving parts story box. Pupils will practise using scissors, glue, to create moving parts in their box.	**Moon Zoom** **Food and Nutrition** **Moon Rock buns /biscuits** Pupils will know and talk about the different factors that support their overall health and wellbeing and healthy eating. Pupils will also talk about the equipment used to prepare these and practice safety chopping, washing and preparing. Pupils will also look at how food changes when cooked, melted... Pupils will develop their small motor skills so that they can use a range of tools competently, safely and confidently such as scissors, knives, forks and spoons.	**The Ugly Bug Ball** **Structures** **Bug hotel** Pupils will make a bug hotel by creating collaboratively, sharing ideas, resources and skills. They will look at design and design a purposeful product for the bugs. Pupils will draw and make mock-ups of their design. They will then collaboratively make a bug hotel and evaluate their design.	**Zap! Pow! Wham!** **Textiles** **Capes & masks** Pupils will be provided with opportunities to design and join materials. They will think about the colours, patterns and fabrics they want to use. Pupils will safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function. And share their creations, explaining the process they have used with others.
Ilam	**Castles, knights and Dragons** **Structures** **Making a castle** Design and make a sturdy structure – we will design, make and evaluate our own castle, concentrating on joining techniques and ways to make our structures strong.	**Scrumdidlyumptious** **Cooking and Nutrition** **Fruit Smoothies** We will work in teams to design a healthy meal. Investigate and try different fruits – design and make your own fruit smoothie.		**Space** **Mechanisms** **Space moving picture** Pupils will create a space moving picture – Will it be a rocket blasting off from Earth, a spaceship whizzing across the galaxy or planets spinning?	**Magical Mystery Tour** **Cooking and Nutrition** **1960's meal** Pupils will look at food served on the 1960's. They will then plan and make a food dish with other people in mind from the 1960's.	**Superheros** **Textiles** **Superhero Uniform** Pupils will learn how to sew pieces of fabric together, thread a needle, practise a running stitch, staple fabric and glue. Pupils will design their own superhero uniform and create parts of it. Pupils will show their uniform to others and evaluate the practicality and suitability and design.
Chatsworth	**Electricity** **Electrical systems** **Hand-held light /torch** Pupils will design and make a light up hand -held torch for the winter's nights coming. They will investigate, make and change electrical circuits	**Scrumdidlyumptious** **Cooking and Nutrition** **Cream tea** Pupils will prepare and cook a variety of dishes using a range of cooking techniques. Pupils will cook a variety of predominantly savoury dishes using a range of cooking techniques, designing and making a cream tea for others.	**Rivers** **Textiles and Structures** **Create a diorama of a river environment**. Pupils will make a detailed diorama model of a river environment using mixed materials. Pupils will generate, develop, model and communicate their ideas through discussion, annotated sketches and computer-aided design	**Space** **Textiles** **Shadow Puppets** Pupils will learn how traditional shadow puppets are made, and then design and make our own shadow puppets.	**Stone age to ice age** **Structures** **Natural shelter** Pupils will design, construct and evaluate a stone age shelter, that must be of natural materials and be able to protect us from the elements.	**Taking care of the planet** **Design Packaging** **Packaging for a food product** We will analyse food packaging, looking at waste and recycling. Pupils will design to improve food packaging. Pupils will research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups

Hardwick	**Barbarians rule** **Mechanisms / Textiles and structures** **Construct a Viking longboat** Pupils will investigate, plan, design and make their own Viking longboat. Pupils will explore a range of materials to construct a longboat that is suitable for purpose. It will need to be...watertight, able to float, balance, hold 10 Playmobil people and be attractive to look at with a sail, oars and shields.	**Scrumdidlyumptious** **Cooking and Nutrition** **Design Packaging** **A Harvest Meal** Pupils will look at a range of seasonal foods and develop their own menu for a harvest lunch for families. They will research produce and talk about how ingredients are grown, reared, caught and processed. Pupils will then use chop, grate, slice and prepare a meal for others. They will design a menu and evaluate with the help of their tasters their food.	**Viva la France** **Electrical systems and Structures** **The Eiffel Tower** Pupils will construct a landmark such as the Eiffel Tower with lights. They will construct a stable structure that will stand alone with an electrical circuit to light it up.	**Space** **Mechanisms and structures** **Space Buggy** Design and make a moving moon buggy, thinking about the designs researched. Pupils will generate, develop, model and communicate their ideas through discussion, annotated sketches and computer-aided design	**All the World's A Stage** **Textiles** **Fabric costume / prop for play** Create your own props for your chosen play. Sewing-Running stitch and cross stitch design for an applique creation.	**Great Artists, Architects and Designers.** **Structures and Textiles** **Back drop for play** Study the work of famous architects. Christopher Wren, Thomas Jefferson and Frank Lloyd Wright.

Cycle 2	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Renishaw	**About Me** **Textiles** **Fabric Mini-Me's** Pupils will look at cutting and joining techniques to make their own mini-me's. They will practise using glue, paper fasteners and a stapler to join materials to create their own fabric face. Pupils will explore, use and refine a variety of artistic effects to express their ideas and feelings.	**Scrumdidlyumptious / Celebrations** **Food and Nutrition** **Making bread, jelly & pasta** **Making a healthy lunchbox /kebab** Pupils will look at and talk about the different types of food that they have at different points in the year. They will look at seasonal vegetables and fruits and taste these and talk about healthy and unhealthy. Pupils will also talk about the equipment used to prepare these and practice safety chopping, washing and preparing. Pupils will also look at how food changes when cooked, melted... Pupils will develop their small motor skills so that they can use a range of tools competently, safely and confidently such as scissors, knives, forks and spoons.	**What a wonderful World** **Mechanisms** **Storybox with a moving picture.** Pupils will learn how to make a slot and slide, a flange and a hinge for the moving parts story box. Pupils will practise using scissors, glue, to create moving parts in their box.	**Moon Zoom** **Food and Nutrition** **Moon Buns /Biscuits** Pupils will know and talk about the different factors that support their overall health and wellbeing and healthy eating. Pupils will also talk about the equipment used to prepare these and practice safety chopping, washing and preparing. Pupils will also look at how food changes when cooked, melted... Pupils will develop their small motor skills so that they can use a range of tools competently, safely and confidently such as scissors, knives, forks and spoons.	**The Ugly Bug Ball** **Structures** **Bug hotel** Pupils will make a bug hotel by creating collaboratively, sharing ideas, resources and skills. They will look at design and design a purposeful product for the bugs. Pupils will draw and make mock-ups of their design. They will then collaboratively make a bug hotel and evaluate their design.	**Zap! Pow! Wham!** **Textiles** **Capes & masks** Pupils will be provided with opportunities to design and join materials. They will think about the colours, patterns and fabrics they want to use. Pupils will safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function. And share their creations, explaining the process they have used with others.

Ilam	**Amazing Animals** **Mechanisms** **Moving Picture box / story** Pupils will investigate how sliders work. They will design and make their own moving picture box. They will practise different mechanisms, paper fastener, glue, slot and slide... Outcome will be to create a functional mechanism for an animal story box.	**Super senses** **Cooking and Nutrition** **Harvest feast & bread** Pupils will be provided with opportunities to prepare and sample a wide variety of vegetables. They will develop knife skills and basic culinary techniques, and they will learn about the health benefits of eating vegetables. Safe cutting, dicing and preparing of vegetables.	**All kinds of families** **Textiles** **Fabric face puppet** Pupils will learn how to sew pieces of fabric together, thread a needle, practise a running stitch, staple fabric and glue. The children will design and create a template of their face puppet, chalk the template onto fabric and use their desired joining technique to attach the fabric. The children will need to evaluate their puppet and look at the design. Planning Overview.pdf	**Pride of Britain** **Structures** **London eye/ landmark** Pupils will be provided with opportunities to explore and experiment with cutting and joining materials. They will think about structures and how to make a stable structure. Look at London land marks and create their own landmark.	**Planes, trains and automobiles** **Cooking and Nutrition** **Healthy Takeaway Food** Pupils will recap on what a varied and healthy diet is. Have an understanding about where their food comes from. They will practice their cutting, grating, peeling techniques to design and create their own food on the go.	**Around the World** **Structures** **A home for a different climate** Pupils will design and make their own home for a different climate. They will explore with different materials and build appropriate structures, exploring how they can be made stronger, stiffer and more stable. Pupils will explore and use mechanism such as levels, sliders in their products. They will then evaluate their product and evaluate them against the design criteria.
Chatsworth	**States of Matter** **Design Packaging** **Chocolate – packaging** Pupils will look at a range of packaging for their chocolate bars, e.g. secret, bueno... They will look at packaging design and the appropriateness of the packaging ensuring the product is protected. Children will use the computer-aided designs.	**Food and Fitness** **Cooking and nutrition** **Healthy soup /smoothies** Pupils will consider what a balanced diet is. They will make three products that are often bought pre-made or highly processed. Preserving and stewing fruit, Seasoning foods. Pupils will discover the farm to fork process, understand the key welfare issues for rearing cattle. Compare the nutritional value of existing sauces and develop a healthier recipe. **Electrical Systems** Pupils will explore series circuits further and introduce motors. They will investigate an existing product, which uses a motor, to encourage pupils to problem-solve and work out how the product has been constructed, ready to develop their own.	**Ancient Egypt** **Textiles** **Egyptian Crown** Pupils will learn how to sew a button onto fabric. They will identify the different functions of fastenings and reflect on the advantages or disadvantages. Pupils will use a range of materials to look at the purpose and suitable fastenings. They will also think about the design and evaluate their product.	**Music and Sound** No DT this term	**Woodlands** **Structures /Mechanisms** **Bridges** Pupils will investigate how the shape and features of a bridge can affect how strong it is. They will also identify different types of bridge, and the structural changes that engineers and architects make to increase the stability of structures.	**Romans in Britain** **Structures** **Roman architecture / Shields** Pupils will use a range of materials to create their own shield. They will explore the uses of paper/ card/ papier mâché to create a material suitable to create their own shield. They will then test their purpose and evaluate their design in both functionality and aesthetic looks.
Hardwick	**Explorers** **No DT in this term**	**Palterton Bake Off** **Cooking and Nutrition** **Making pitta bread dough & pastry** Pupils will study and make street foods from different cultures. The aim of these sessions is to encourage pupils to think about their own diet and snacks and how their nutritional value could be improved. The unit provides an opportunity to learn about a range of different cultures. Pupils will learn about seasonality and know where and how a variety of ingredients are grown , reared, caught and processed.	**Mayans** **Structures** **Masks** Pupils will design and create their own mask, thinking about the appropriateness of the design and suitability. They will investigate with a range of materials for suitability and experiment with different joining materials. They will apply their understanding of how to strengthen and stiffen more complex structures and create sturdy masks. Pupils will experiment with papie mache and mod roc materials as well as their own ideas. They will then evaluate their design and product.	TBD **Textiles** Pupils will use a combination of textiles skills such as attaching fastenings, appliqué and decorative stitches, children design, assemble and decorate....	**Age of Coal and Steam** **Mechanisms** **Coal pully system** Pupils will investigate how pulleys and gears work and design and make their own gears product. Pupils will select and use a variety of modelling materials to create a final outcome.	**Legends and Heroes** **Mechanisms / Textiles and structures** **Summer production props and backdrops**. Pupils will use their knowledge from throughout the year with joining materials and fabrics together to create their own props for their end of year school play. The pupils will plan, design and create all their own props and evaluate their effectiveness at the end of the production. Pupils will think back over the year to the different mechanism, fabrics, structures and create appropriate, well thought out props.

