



	Autumn A	Spring A	Summer A	Autumn B	Spring B	Summer B	
Enquiry Focus	British History Timeline What can we learn from the past? What did the people of the past give to us?	World Achievements What difference does it make that we are part of a bigger world? Does ancient history matter?	Plants & Habitats Can we look after our world better? Are we looking after our local environment?	Contrasting and impactful periods in British History When would you prefer to have lived?	Knowledge of the World Why is it important to be globally connected?	Animals & Healthy Bodies Are we looking after our bodies as well as we could?	Famous designer or engineer
FS/1/2	Mechanisms (this is materials in science)	Textiles Food and nutrition	Structures	Mechanisms (this is materials in science)	Textiles (this is forces in science)	Structures Food & Nutrition (this is nutrition in science)	A B- Granville T Woods
3/4	Structures Electricity (Light Electricity in science)	Mechanisms	Textiles Food & Nutrition	Textiles Electricity (Magnets & Sound in science)	Structures (materials in science)	Food & Nutrition	В
9/9	Electricity (Light, Electricity in science)	Structures Food & Nutrition	Textiles Mechanisms	Electricity Mechanisms	Structures	Textiles Food & Nutrition	В





Textiles Tex						
(R)/1/2 Spring A	(R)/1/2 Spring B	3/4 Summer A	3/4 Autumn	5/6 Summer A	5/6 Summer B	
Cultural sewing I know how to use running stitch on felt I know how to sort threads and fabrics I know how to make weavings with fabrics or threads. I know how to plait and understand the basic method.	Peacock feathers Y2 – I know the basics of cross-stitch and backstitch and how to sew sequins on my work. Y1 – running stitch feather I use scissors precisely when cutting out. I know that textiles have different properties: feel, insulation, texture and waterproof. I select the appropriate textile so that it does the job I want it to. I know how to measure textiles	Applique collage cushion cover I know the basics of quilting, padding and gathering fabric. I know how to use my textiles skills to create artwork that is matched to an idea or purpose. I have made a textile product that has a good finish and can do the job it was made for.	I know how to join textiles of different types and in different ways I know of textiles work from other cultures and times. I know the basics of quilting, padding, hemming and gathering fabric.	Y5 – drawstring bags Y6 – zip fastener I know how to join textiles using a greater variety of stitches, eg back, whip and blanket. I know how to demonstrate how to measure, make a seam allowance, tape, pin, cut, shape & join fabric with precision to make a more complex product	Y5 – drawstring bags Y6 – zip fastener I know how to join textiles using a greater variety of stitches, eg back, whip and blanket. I know how to demonstrate how to measure, make a seam allowance, tape, pin, cut, shape & join fabric with precision to make a more complex product. I have a sound understanding of how to use the techniques of sewing (cross stitch & backstitch) appliqué, embroidery, plaiting, finger knitting.	





Mechanisms Mechanisms						
(R)/1/2 Autumn A	(R)/1/2 Autumn B	3/4 Spring A	3/4 Summer B	5/6 Summer A	5/6 Autumn B	
Fire engine Wheels & axis	Steam Train Wheels & axis	Water Well	Puppets	Recycling game— cams	Automata animals – cams	
I know how to saw doweling	I know how to saw doweling	I know how to make a pulley system for retrieving water	I know how to use levers & linkages to create moving animals.	I know how to assemble, join and combine materials & components with accuracy.	I know how to assemble, join and combine materials & components with accuracy.	
I know how to make a product that uses movement.	I know how to join materials together as part of a moving product.	I know how to be accurate when making cuts and	I know how to saw wood doweling and balsa lengths.	I know how to refine the finish my piece using techniques to improve the appearance of the product - such as sanding	I know how to refine the finish my piece using techniques to improve the appearance of the product - such as sanding	
I know how to add design to my product.	I know how to add design elements to my piece.	holes. I know how to saw	I know how to evaluate my puppet against the design	or more precise scissor cut after rough cutting.	or more precise scissor cut after rough cutting.	
	,.	wood doweling and balsa lengths	criteria.	I know how to saw wood doweling and balsa lengths	I know how to saw wood doweling and balsa lengths	





<u>Structures</u>						
(R)/1/2 Summer A	(R)/1/2 Summer B	3/4 Autumn A	3/4 Spring B	5/6 Spring A	5/6 Spring B	
I know how to build simple structures, exploring how they can be made stronger, stiffer and more stable. I know how to improve my construction and can make alterations.	Human skeleton – bones I know how to build simple structures, exploring how they can be made stronger, stiffer and more stable. (tubes and triangles) I know how to use a range of joins.	Structures of different dwellings. Stone age caves – strongest shapes I know how to make structures stronger by folding joining or by shape (columns, triangles). I know how to choose appropriate materials, work accurately and can join them together, so they are the strongest they can be. I know how to measure accurately.	Bridges – when does a bridge become a sculpture? I know how to make structures stronger by folding joining or by shape (columns, triangles). I know, by looking at variety of bridge structures, what makes them strong? I know why triangulation is used in bridges and large structures (telegraph poles)	Greek architecture, Tube & triangulation — strength in columns, Parthenon. I know how to shape & score materials with precision & accuracy. I know how to independently take exact measurements & mark out to within 1mm. I know how to evaluate appearance and function against the original criteria. I know that my measurements are accurate enough to ensure everything is precise.	I know how to independently take exact measurements & mark out to within 1mm. I know how to evaluate appearance and function against the original criteria. I know that my measurements are accurate enough to ensure everything is precise. I know how to hide joints to improve the look of my product.	





Food & Nutrition							
(R)/1/2 Autumn A	(R)/1/2 Spring B	3/4 Summer A	3/4 Summer B	5/6 Spring A	5/6 Autumn B		
Bread Making I know where in the world different foods originate from. I know that all foods come from animals or plants. I know how to prepare food safely and hygienically and can describe what this means.	Indian curry I know how to weigh or measure my ingredients accurately. I know how to describe the properties of the food ingredients: taste, smell, texture, and consistency. I know what I have done well in my work. I suggest things I could do in the future.	* I know how to use a range of techniques such as mashing, whisking, crushing, grating, cutting, kneading and baking. I know how to choose the right ingredients for a product. I know what to do to be hygienic and safe. I know how to make sure that my product looks attractive.	Smoothies To know how to measure and weigh ingredients to the nearest gram and millilitre I know how the combined ingredients come together and can describe it. I know what I can do to present my product in an interesting way.	I know how to be hygienic and safe when preparing food. I know what to do to present my work well. I know that a recipe can be adapted by adding or substituting one or more ingredients.	Veg Soup I know that seasons may affect the food available. I know how food is processed into ingredients that can be eaten or used in cooking. I know that a recipe can be adapted by adding or substituting one or more ingredients.		





Electricity Programme Control of the						
3/4 Autumn A	3/4 Autumn B	5/6 Autumn A	5/6 Autumn B			
Light up Christmas card – battery and LED bulb I know how to use a simple circuit in my design. I can use a number of appropriate components to create a visually attractive Christmas card.	Buzzer — link with electricity science. I know how to use a simple circuit in my design. I know how to add things to my circuit to enhance the performance. I know how to alter my product after checking it.	Y5 – light up Christmas card Y6 – light up silhouette box Independently take exact measurements and mark out, to within 1mm I know how to incorporate a switch into my product.	Independently take exact measurements and mark out, to within 1mm I know how to incorporate hydraulics and pneumatics into my product I know how to use different kinds of circuits in my product. I know how to add a circuit in order to improve my product.			