



Theme 1	Curriculum Flight Path Year A			
	EYFS	KS1	Year 3/4	Year 5/6
<b>Theme</b> (overarching e.g Tudors)	Manipulating materials to change effect- plasticine/ clay/playdough	<b>Mechanisms</b> wheels and axis (Yr2) including electrical circuit  Design and make a moon buggy or sleigh	<b>2d to 3d shape (y3) use computer aided program</b>  Anglo Saxon purse?	<b>Woodwork/Moving Cams (y5)</b>  Moving toy
<b>Question</b> (based on specific components of knowledge and	Can you change the shape?	Can you label the chassis, axle and wheel of your vehicle?	Which stitch is the most effective?	Does your product match your prototype?
<b>Vocabulary</b> (progressive – so what are the new words?)	Material, change, make	vehicle, wheel, axle, axle holder, chassis, body, cab assembling, cutting,shaping, finishing, fixed, free, moving, mechanism	Back stitch, chain stitch, cross stitch, triangular prism, net	Cam, follower, rotary motion into linear motion, mechanism, pivot, off-centre, axle, force, framework, follower, guide, offset, shaft, prototype, communicate
Theme 2	Curriculum Flight Path Year A			
	EYFS	KS1	Year 3/4	Year 5/6
<b>Theme</b> (overarching e.g Tudors)	Talk about balanced diet / try different fruits	<b>Templates and joining techniques (y2)</b>  Mother's Day/ Easter cards-	<b>Healthy and varied diet(y4)</b>  History linked Food Romans/ vikings?  (Bread - flavours/ textures)	<b>Cooking (y6)</b>  <b>Celebrating culture and seasonality</b>
<b>Question</b> (based on specific components of knowledge and	Which fruit is the best?	Which joining technique	What is the purpose/ does it meet it's purpose?	Why did you choose..... ingredients instead of.....?

<b>Vocabulary</b> (progressive – so what are the new words?)	Taste - sweet, salty, sour Smell - strong	Explore, assemble, structure, join, finish, decorate	Grating, Savoury, Grams Scale, hygienic, frozen, tinned, processed, seasonal, harvested healthy/varied diet, packaging	fat, sugar, carbohydrate, protein, vitamins, nutrients, nutrition, healthy, varied, gluten, dairy, allergy, intolerance, savoury, source, seasonality
<b>Theme 3</b>	<b>Curriculum Flight Path Year A</b>			
	<b>EYFS</b>	<b>KS1</b>	<b>Year 3/4</b>	<b>Year 5/6</b>
<b>Theme</b> (overarching e.g Tudors)	Textiles- choosing tools to have effect-	Preparing fruit and veg (y1)  Caribbean tropical fruit kebabs	Structures (Y3)  Shell structures (including computer-aided design) (Photo frames)	Mechanical/Structures/ (y6)  Pulleys or gears/
<b>Question</b> (based on specific components of knowledge and	Which tool is better to cut.....?	Which methods are appropriate for making this food smaller?	Which joint is more stable?	How does it appeal to .....?
<b>Vocabulary</b> (progressive – so what are the new words?)	Cut, stick	Peel, Chop, Grate, Prepare Measure, Method Mixture, ingredients, recipe	Diagonal strut, dowel joint, butt joint	pulleys, linkages, pulley, drive belt, gear, rotation, spindle, driver, follower, ratio, transmit, axle,

Theme 1	Curriculum Flight Path Year B			
	EYFS	KS1	Year 3/4	Year 5/6
<b>Theme</b> (overarching e.g Tudors)	Begin to build structures inside and out	Mechanisms Yr1 Sliders and levers  (2D – Moving Pictures)	Electrical Systems (y4) Simple circuits and switches (including programming and control)  (Lighting it up- Christmas?)	Textiles Combining different fabric shapes (including computer-aided design) (y5)
<b>Question</b> (based on specific components of knowledge and	Which is the best material to build a high tower?	How does your..... move?	How does your product produce light or sound?	How have you created your design?
<b>Vocabulary</b> (progressive – so what are the new words?)	Build, join, construct, balance	slider, lever, pivot, slot, bridge/guide, card, masking tape, paper fastener, pull, push, up, down, straight, curve, forwards, backwards	series circuit, fault, connection, toggle switch, push-to-make switch, push-to-break switch, battery, battery holder, bulb, bulb holder, wire, insulator, conductor, crocodile clip, control, program, system, input device, output device	visual and tactile qualities, eg shiny, scaly • drawing skills, eg outline, mark making • making skills, eg glueing, stitching • composition, eg arrangement of shapes, colours, lines, background, foreground
Theme 2	Curriculum Flight Path Year B			
	EYFS	KS1	Year 3/4	Year 5/6
<b>Theme</b> (overarching e.g Tudors)	Germ Importance of Hygiene and being healthy	Freestanding structures (y1)  Make a room in a bug hotel to put in the forest school.	Healthy and varied diet (Y3)  Eat well plate/ net for packaging  Design and make a healthy cereal bar for.....	Electrical moving item (y5) Electrical Systems/CAD  More complex switches and circuits (including programming, monitoring and control)
<b>Question</b> (based on specific components of knowledge and	How can you get rid of germs?	How can you make your..... stable?	Where has the food come from?	????

<b>Vocabulary</b> (progressive – so what are the new words?)	Germ/bacteria Clean Dirty Mouldy Hungry Tired Soap	cut, fold,, fix structure, wall, framework, weak, strong, base, top, underneath, side, edge, surface, thinner, thicker, corner, point, straight, curved, metal, wood, plastic	Hygienically Accurate Reliable Consistent Bacteria Quantity purpose healthy/varied diet, packaging, fair trade	circuit, programm, reed switch, toggle switch, push-to-make switch, push-to-break switch, light dependent resistor (LDR), tilt switch, light emitting diode (LED), bulb, bulb holder, battery, battery holder, USB cable, wire, insulator, conductor, crocodile clip control, program, system, input device, output device, series circuit, parallel circuit
<b>Theme 3</b>	<b>Curriculum Flight Path Year B</b>			
	<b>EYFS</b>	<b>KS1</b>	<b>Year 3/4</b>	<b>Year 5/6</b>
<b>Theme</b> (overarching e.g Tudors)	Construction Choosing resources to make a bug hotel	Preparing fruit and veg  Fruit smoothie/salad (y2)	Mechanical Systems (Y3) Levers and linkages  (Story books/greeting cards)	Celebrating culture and seasonality*  Come Dine with me- Food (6)
<b>Question</b> (based on specific components of knowledge and	What have you used to build your.....?	What is the best method to prepare these fruit and vegetables?	Which is best to use, oscillating or reciprocating?	How have you made your meal healthy in accordance to the amounts on the Eat well plate?
<b>Vocabulary</b> (progressive – so what are the new words?)	Build, join, construct, balance	Healthy Taste adjectives - juicy, squishy, sour, sweet, soft, hard 'The Eat well plate 'Nutrition Farmed Grown	mechanism, lever, linkage, pivot, slot, bridge, guide system, input, process, output mechanism, gear, lever, cam, product linear, rotary, oscillating, reciprocating	fat, sugar, carbohydrate, protein, vitamins, nutrients, nutrition, healthy, varied, gluten, dairy, allergy, intolerance, savoury, source, seasonality