

Wheatley Hill Community Primary – Design & Technology Overview

Foundation subject: Design & Technology Coordinator yearly overview 2016-2017.						
	Year one	Year Two	Year 3	Year 4	Year 5	Year 6
	<u>Structures & Stability</u> <ul style="list-style-type: none"> Construct models Use tools safely Join components together. 	<u>Mechanisms:</u> <u>structures & winding mechanisms</u> <ul style="list-style-type: none"> Stable structures A winding toy Test mechanism Use tools safely 	<u>Food & Healthy Diet</u> <ul style="list-style-type: none"> Personal hygiene Use appearance, taste and texture to create a balanced plate of food Preparing food: cutting & grating 	<u>Mechanisms:</u> <u>Pneumatic Systems</u> <ul style="list-style-type: none"> Pressure Systems Cutting techniques & Joining materials 	<u>Mechanisms & Cams</u> <ul style="list-style-type: none"> Use bench hook, saws and drill Measure, mark and cut accurately Use techniques for reinforcing and strengthening 	<u>Textiles</u> <ul style="list-style-type: none"> Seam allowance Pin to tack Stitching Sewing machine Decorative techniques
	<u>Mechanisms</u> <ul style="list-style-type: none"> Levers Sliders Flaps & Folds 	<u>Textiles: Using patterns, seam allowance & joining fabrics</u> <ul style="list-style-type: none"> Sewing techniques Puppets Cutting fabric Joining fabric 	<u>Strengthening Structures</u> <ul style="list-style-type: none"> Nets of 3D objects Folds & flaps Accurate cutting, measuring & folding Cutting & joining 	<u>Electrical Control</u> <ul style="list-style-type: none"> Simple circuits Switches Cut & join materials 	<u>Food</u> <ul style="list-style-type: none"> Range of bread recipes Weigh and measure Follow instructions Biscuits- mixing, combing and shaping	<u>Structures & Stability</u> <ul style="list-style-type: none"> Construct models Structures for a purpose. Doweling Models
	<u>Food hygiene & Healthy Eating</u> <ul style="list-style-type: none"> Prepare & combine ingredients Healthy eating Taste, texture and appearance of foods. 	<u>Mechanisms: wheels & axles</u> <ul style="list-style-type: none"> Wheeled vehicles Axles Use tools safely 	<u>Mechanisms: Control & Lever Mechanisms</u> <ul style="list-style-type: none"> Linkages & levers Hinges & sliders Cutting techniques & Joining materials 	<u>Textiles: Fabric Properties & reinforcing fastenings</u> <ul style="list-style-type: none"> Joining fabric Use templates for measuring & marking out Decorative techniques 	<u>Structures & Stability</u> <ul style="list-style-type: none"> Construct models Mouldable materials – clay / paper mache. 	<u>Control</u> <ul style="list-style-type: none"> Motors Switches Computer Control Pulleys