



DESIGN & TECHNOLOGY PROGRESSION 2019~2020

Learning Expectations:

By the end of KS1, children will have learned to:

Design

- design purposeful, functional, appealing products for themselves and other users based on design criteria
- generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology

Make

- select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing]
- select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics

Evaluate

- explore and evaluate a range of existing products
- evaluate their ideas and products against design criteria

Technical knowledge

- build structures, exploring how they can be made stronger, stiffer and more stable
- explore and use mechanisms [for example, levers, sliders, wheels and axles], in their products.





West Hove Infants- 'Aim High and Smile'



	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
--	----------	----------	----------	----------	----------	----------





West Hove Infants- 'Aim High and Smile'



R Reception	Skills	<ul style="list-style-type: none">• Manipulates materials to achieve a planned effect• Select tool and techniques needed to shape, assemble and join materials they are using.• Constructs with a purpose in mind, using a variety of resources• Uses simple tools and techniques competently and appropriately.• Selects appropriate resources and adapts work where necessary	<ul style="list-style-type: none">• Manipulates materials to achieve a planned effect• Select tool and techniques needed to shape, assemble and join materials they are using.• Constructs with a purpose in mind, using a variety of resources• Uses simple tools and techniques competently and appropriately.• Selects appropriate resources and adapts work where necessary	<ul style="list-style-type: none">• Manipulates materials to achieve a planned effect• Select tool and techniques needed to shape, assemble and join materials they are using.• Constructs with a purpose in mind, using a variety of resources• Uses simple tools and techniques competently and appropriately.• Selects appropriate resources and adapts work where necessary	<ul style="list-style-type: none">• Manipulates materials to achieve a planned effect• Select tool and techniques needed to shape, assemble and join materials they are using.• Constructs with a purpose in mind, using a variety of resources• Uses simple tools and techniques competently and appropriately.• Selects appropriate resources and adapts work where necessary	<ul style="list-style-type: none">• Manipulates materials to achieve a planned effect• Select tool and techniques needed to shape, assemble and join materials they are using.• Constructs with a purpose in mind, using a variety of resources• Uses simple tools and techniques competently and appropriately• Selects appropriate resources and adapts work where necessary	<ul style="list-style-type: none">• Manipulates materials to achieve a planned effect• Select tool and techniques needed to shape, assemble and join materials they are using.• Constructs with a purpose in mind, using a variety of resources• Uses simple tools and techniques competently and appropriately• Selects appropriate resources and adapts work where necessary
--------------------	---------------	---	---	---	---	--	--





West Hove Infants- 'Aim High and Smile'



		<ul style="list-style-type: none">• Safely use and explore a variety of materials, tools and techniques• Use media and materials in original ways, thinking about uses, purposes and function.• Represent own ideas, thoughts and feelings through design and technology	<ul style="list-style-type: none">• Safely use and explore a variety of materials, tools and techniques• Use media and materials in original ways, thinking about uses, purposes and function.• Represent own ideas, thoughts and feelings through design and technology.•	<ul style="list-style-type: none">• Safely use and explore a variety of materials, tools and techniques• Use media and materials in original ways, thinking about uses, purposes and function.• Represent own ideas, thoughts and feelings through design and technology.•	<ul style="list-style-type: none">• Safely use and explore a variety of materials, tools and techniques• Use media and materials in original ways, thinking about uses, purposes and function.• Represent own ideas, thoughts and feelings through design and technology.	<ul style="list-style-type: none">• Safely use and explore a variety of materials, tools and techniques.• Use media and materials in original ways, thinking about uses, purposes and function.• Represent own ideas, thoughts and feelings through design and technology.	<ul style="list-style-type: none">• Safely use and explore a variety of materials, tools and techniques.• Use media and materials in original ways, thinking about uses, purposes and function.• Represent own ideas, thoughts and feelings through design and technology.
--	--	--	---	---	---	--	--





West Hove Infants- 'Aim High and Smile'



Context	<ul style="list-style-type: none"> Paper spiders- types of fold/joins Make a chair for baby bear 3d story map Sewing Christmas activities 	<ul style="list-style-type: none"> Joins and fixings Plan and make an emergency vehicle Evaluate Adventurer Role play resources Mother's Day Card Class Heritage craft related to culture 	<ul style="list-style-type: none"> Dino pet – make what he needs Make a volcano 	<ul style="list-style-type: none"> Pirate role play resources Pirate Accessories 		
	Vocabulary	<ul style="list-style-type: none"> Cut, stick, paste, paint, glue, brush, spreader, scissors, wool, sticky tape, string, card, paper, model 	<ul style="list-style-type: none"> Cut, stick, paste, paint, glue, brush, spreader, scissors, wool, sticky tape, string, card, paper, model 	<ul style="list-style-type: none"> Cut, stick, paste, paint, glue, brush, spreader, scissors, wool, sticky tape, string, card, paper, model 	<ul style="list-style-type: none"> Cut, stick, paste, paint, glue, brush, spreader, scissors, wool, sticky tape, string, card, paper, model 	<ul style="list-style-type: none"> Cut, stick, paste, paint, glue, brush, spreader, scissors, wool, sticky tape, string, card, paper, model
<p>Ongoing throughout the year:</p> <ul style="list-style-type: none"> Wonderful World of Me Expressive Arts and Design Junk modelling 			<p>Ongoing Vocabulary:</p> <ul style="list-style-type: none"> Cut, stick, paste, paint, glue, brush, spreader, scissors, wool, sticky tape, string, card, paper, model 			





West Hove Infants-‘Aim High and Smile’



See also :

- Environment/Continuous provision planners

ELG (Exploring and using media and materials :

- Children sing songs, make music and dance, and experiment with ways of changing them. They safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function.





West Hove Infants- 'Aim High and Smile'

Y1	Skills	<ul style="list-style-type: none">• Master practical skills –make a sandwich• Take inspiration from design throughout history.	<ul style="list-style-type: none">• I can use clay creatively to create a product.• Use drawing, painting and sculpture to develop and share their ideas, experiences and imagination.• Develop design techniques using colour, pattern, shape and form.• Learn about the work of a range of artists, craft-makers and		<ul style="list-style-type: none">• Mechanisms-making mini beast puppets• Design an appealing product and make it using a range of tools• Use a range of materials creatively to design and make products. <p>Use drawing, painting and sculpture to develop and share their ideas, experiences and imagination</p>		
----	--------	---	---	--	---	--	--





West Hove Infants- 'Aim High and Smile'



			<p>designers describing the similarities</p> <ul style="list-style-type: none">• Design, make, evaluate and improve.		<ul style="list-style-type: none">• Develop a wide range of art and design techniques in using colour• Select from and use a range of tools and equipment to perform practical tasks such as cutting, shaping, joining and finishing		
--	--	--	--	--	---	--	--





West Hove Infants- 'Aim High and Smile'



	Context	<ul style="list-style-type: none">• Healthy eating- designing and making sandwiches and fruit salads	<ul style="list-style-type: none">• use the basic principles of a healthy and varied diet to understand where food comes from and prepare dishes		<ul style="list-style-type: none">• Junk model making castle• Make a paperweight – product		
--	----------------	--	--	--	---	--	--





West Hove Infants-‘Aim High and Smile’



	Vocabulary	<ul style="list-style-type: none">• Cut, stick, paste, paint, glue, brush, spreader, scissors, wool, sticky tape, string, card, paper, model	<ul style="list-style-type: none">• Cut, stick, paste, paint, glue, brush, spreader, scissors, wool, sticky tape, string, card, paper, model• Function, join, template, develop, mechanism, design, technology, equipment, draw, cut, practical, develop, material, shape, mock – up, computer, textile, build, evaluate, cooking, ingredient, model, make, structure, product, recipe, construct		<ul style="list-style-type: none">• Cut, stick, paste, paint, glue, brush, spreader, scissors, wool, sticky tape, string, card, paper, model• Function, join, template, develop, mechanism, design, technology, equipment, draw, cut, practical, develop, material, shape, mock – up, computer, textile, build, evaluate, cooking, ingredient, model, make, structure, product, recipe, construct		<ul style="list-style-type: none">• Cut, stick, paste, paint, glue, brush, spreader, scissors, wool, sticky tape, string, card, paper, model• Function, join, template, develop, mechanism, design, technology, equipment, draw, cut, practical, develop, material, shape, mock – up, computer, textile, build, evaluate, cooking, ingredient, model, make, structure, product, recipe, construct
--	-------------------	--	--	--	--	--	--





West Hove Infants- 'Aim High and Smile'



Y2	Skills	Design <ul style="list-style-type: none">• Generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology	Make <ul style="list-style-type: none">• Select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing]• select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics		Evaluate <ul style="list-style-type: none">• Explore and evaluate a range of existing products• Evaluate their ideas and products against design criteria		Technical knowledge <ul style="list-style-type: none">• Build structures, exploring how they can be made stronger, stiffer and more stable• Explore and use mechanisms [for example, levers, sliders, wheels and axles], in their products
	Context	<ul style="list-style-type: none">• Mechanisms- making space buggies in groups			<ul style="list-style-type: none">• Instruments- making a rainforest instrument		<ul style="list-style-type: none">• Textiles- making a bag





West Hove Infants- 'Aim High and Smile'



	Vocabulary	<ul style="list-style-type: none">• Cut, stick, paste, paint, glue, brush, spreader, scissors, wool, sticky tape, string, card, paper, model	<ul style="list-style-type: none">• Build, structures, stronger, stiffer, stable, explore, mechanisms, [for example, levers, sliders, wheels and axles		<ul style="list-style-type: none">• Function, join, template, develop, mechanism, design, technology, equipment, draw, cut, practical, develop, material, shape, mock – up, computer, textile, build, evaluate, cooking, ingredient, model, make, structure, product, recipe, construct		
--	-------------------	--	--	--	---	--	--

