

St Bernadette's Catholic Primary Voluntary Academy
DT Medium Term Planning - KS1 Pentecost Term Cycle B - Great Britain

MATERIALS	Learning Objective	Activity	Key Knowledge (By the end of the lesson)		Vocabulary (Tier 3)
			Substantive	Disciplinary	
Lesson 1	DT L.O. 5 To be able to explore and evaluate a range of existing products.	Explore a range of existing castles both real and toy (images and DT castle examples). Discuss how they have been made, materials used.	<ul style="list-style-type: none"> Know that there are different types of toy cars/vehicles Know that toy cars can be made in different ways and of different materials. 	<ul style="list-style-type: none"> Evaluate castles - including which we like/dislike and why. Identify materials used for castles. 	Materials Freestanding structures Walls Towers Turrets
Lesson 2	DTL.O. 7 To be able to build structures, exploring how they can be made stronger, stiffer and more stable.	Using different construction materials build castles/structures and test them in different ways. How does setting the blocks out differently help? Can you just build a really tall tower? Look at ways of making stronger and more stable.	<ul style="list-style-type: none"> Know how to make a structure stable. Know how to make a structure stronger. Know how to make a structure stiffer. 	<ul style="list-style-type: none"> Be able to build a stable/strong castle. 	Structure Weak Strong Base Stable Stiffer
Lesson 3	L.O. 2 To be able to generate, develop, model and communicate their ideas through talking , drawing, templates, mock-ups and, where appropriate, information and communication technology .	Design, make and evaluate a castle for a toy knight to be used by themselves. Share the design criteria. Children design their castles using Chromebooks. What will you use? Why? How will you make it strong/stable?	<ul style="list-style-type: none"> Know what design criteria are. 	<ul style="list-style-type: none"> Design a castle using information communication technology. 	Design criteria Purpose Ideas Shapes
Lesson 4	DTL.O. 4 To be able to select from and use a wide	Make/Prepare		<ul style="list-style-type: none"> Select the best 	Cardboard

	range of materials and components, including construction materials, textiles and ingredients, according to their characteristics.	Children begin making their castle by painting any resources they have. Allow children a choice of paints to enable them to choose the appropriate colour based on the design criteria. Cut out the different shapes they are going to need to make the different features.		<ul style="list-style-type: none"> materials. Describe why they have chosen these materials. Say why they have chosen the parts of the castle. 	
Lesson 5	DTL.O. 7 To be able to build structures, exploring how they can be made stronger, stiffer and more stable.	<p>Make/Construct</p> <p>Discuss how the children can make their castle stronger, stiffer and more reliable for the toy knight (we don't want it to break when we use the knights). What kind of resources will they need to use today? Glue, tape, blue tac?</p> <p>Children to choose from a range of resources to finish constructing their castle - add any finishing touches to their castles e.g flags, windows.</p>	<ul style="list-style-type: none"> Know folding/layering card makes it thicker and stronger. Know how to join materials together. 	<ul style="list-style-type: none"> Select the best materials/tools. Join their structures together. 	Fold Join Layers Thicker Underneath
Lesson 6	DT L.O. 6 To be able to evaluate their ideas and products against design criteria.	<p>Evaluate</p> <p>Discuss what went well / not so well with our castles.</p> <p>When you were playing with them and the toy knight was your castle strong enough?</p>	<ul style="list-style-type: none"> Know that evaluating is an important part of the design process. 	<ul style="list-style-type: none"> Evaluate their finished product against the design criteria. 	Evaluate

		What could you have done better? Children complete the differentiated evaluation worksheet			
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