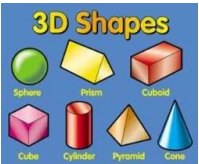




Inspiring children to be resilient and aspirational learners, within a positive and considerate community

Subject: DT	Year group: 3 Term: Autumn	Title: Structures - Castles
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What should I already know? • Basic 3D shapes • What a castle looks like. • A range of recyclable materials. 	Facts I will learn: • The different features of a castles. • To recognise that castles are made up of multiple 3D shapes. • To understand that wide and flat based objects are more stable. • To know that to make a quality product, it needs to be planned. • That parts can be attached together to make a structure. • That products can be evaluated to identify strengths and weaknesses.	Key questions: • What are castles for and what features do they have? • How can we build a stable structure? • What features would you like to include in your design? • Is your castle fit for purpose? • How could you improve your structure? 						
Key Skills: • To be able to score or cut along lines on the net of a 2D shape. • To use glue to securely assemble geometric shapes. • To select from and use a wide range of tools and equipment to perform practical tasks (e.g.	Experiences that school will provide Building castles using recyclable materials. Creating 3D shapes using nets of a 2D shape.	<table><tr><th>Key vocab</th><th>Definition</th></tr><tr><td>structure</td><td>Something which stands, usually on its own.</td></tr><tr><td>recyclable</td><td>Material or an object that when no longer wanted or needed, can be made into something new.</td></tr></table>	Key vocab	Definition	structure	Something which stands, usually on its own.	recyclable	Material or an object that when no longer wanted or needed, can be made into something new.
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cutting, shaping, joining and finishing) accurately. • To utilise skills to build a complex structure from simple geometric shapes. • To design a castle with key features which satisfy a given purpose.		<table><tr><td>castle</td><td>A type of building that used to be built 100 of years ago to defend land and be home for Kings and Queens and other very rich people.</td></tr><tr><td>feature</td><td>A specific part of something.</td></tr><tr><td>design criteria</td><td>A set of rules to help designers focus their ideas and test the success of them.</td></tr><tr><td>facade</td><td>The front of a structure.</td></tr><tr><td>stable</td><td>Object does not easily topple over.</td></tr></table>	castle	A type of building that used to be built 100 of years ago to defend land and be home for Kings and Queens and other very rich people.	feature	A specific part of something.	design criteria	A set of rules to help designers focus their ideas and test the success of them.	facade	The front of a structure.	stable	Object does not easily topple over.
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Web links https://www.youtube.com/watch?v=dGXkMVsZac0 Features of a castle	Experiences that could be provided at home Making junk models from recyclable materials.											