



Unit Planner – Design Technology Year: 4

Title: Making an Egyptian Throne

Unit Overview	Compliment History topic on Egyptians. Children will learn the significance of thrones, their purpose and structure. The children will design and build an Egyptian throne that is sturdy and fit for royalty.	
Prior Learning/ Links	EY- Junk modelling/Building a house for the Three Pigs/Construction/Science Materials Yr 1 – Moving Book: Cutting and joining skills Art; Andy Goldsworthy sculpture/Science Materials Yr 2 – Making a jeep: Coping saw and choosing strong materials/Science Materials Yr 3- Fairground Ride: Coping saw and choosing strong materials	
Unit Title:	Substantive Knowledge	Disciplinary Knowledge
Key Questions: Which material will you choose to make your throne sturdy? Can you design a throne that is stable and does not wobble?	<ul style="list-style-type: none"> • Thrones are made of different materials though the ages. • That thrones differ from chairs in their use .Discover the purpose of thrones: prestige/significance • Know famous designers of chairs. • To design a throne children must consider what design would be suitable and what tools and materials they will need and how they are going to put it together, including saw, vice, hammer, drill. • Children know joins used to make wood go together: mortise and Tenon, Tongue and Groove, Basic butt joins. • Children are able choose their own equipment needed for their design. • Children can state factors that make a good throne – including design and strength. • Children learn to evaluate their design and functionality of their product using technical language; strengthen, stiffen and reinforce 	Critical Evaluation Investigate current products from primary and secondary sources. Make suggestions for improvement. To relate experiences to products. Who are the inventors of specific products? Comparing products and evaluating what good features are. Purpose/ Audience or Design Develop clear plans of designs and use sketches to communicate these Make suggestions of different materials that could be used To present ideas to others using a range of media Making/ Technological Knowledge Selecting tools and materials appropriate for tasks. <ul style="list-style-type: none"> - Explain choices made to construct a product based on characteristics Make product stronger, stiffer and more complex Safety and accuracy
Vocabulary	Trips/ Visits/Useful Websites/ Resources	Key Misconceptions:
Substantive: Frame Structure Wood Materials Butt joint		That all thrones are made of metal.



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<p>Mitre Halving Housing Foam Fabric Coping saw Glue Gun Hand drill Disciplinary: Join Stiffen Strengthen Reinforce Stability Shape Design brief Prototype Annotated sketch Purpose Functional Measure Accuracy</p>		
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