

DT Year 4 - Structure



INTENT

Linking to the science unit on 'Electricity' and the history work ok 'Animals in Captivity through Time A Theme in British History' the children will be planning and designing their own structure for their zoo. There will be an emphasis on measuring materials accurately and applying suitable cutting and shaping techniques to help support their structure.

Disciplinary Knowledge <i>How have experts expressed quality and value throughout history?</i>	• I can design with purpose by identifying opportunities to design. • I can make products by working efficiently. • I can refine work and techniques as work progresses, continually evaluating the product design. • I can use software to design and represent product designs.
Substantive Knowledge (Practical) <i>Methods, techniques, media, materials.</i>	• I can measure and mark out to the nearest mm. • I can apply appropriate cutting and shaping techniques that include cuts within the perimeter of the material (such as slots or cut outs). • I can strengthen materials using suitable techniques.

Vocabulary

Structure, measure (cm/mm),
cut, shape, join, stability, support