

DT Year 5 - Structures



INTENT

Linking to the children's science work on 'Forces and Materials', the children will learn about the force of gravity and apply this when designing and making their very own kite. The children will have the opportunity to develop their practical skills such as cutting and drilling during the making stages of the project ensuring they are using tools with greater precision. Once completed, they can then test and evaluate their kites at Forest School.

Disciplinary Knowledge <i>How have experts expressed quality and value throughout history?</i>	• I can design with the user in mind, motivated by the service a product will offer. • I can make products through stages of prototypes, making continual refinements. • I can ensure products have a high-quality finish, using art skills where appropriate.
Substantive Knowledge (Practical) <i>Methods, techniques, media, materials.</i>	• I can cut materials with precision and refine the finish with appropriate tools (such as sanding wood after cutting or a more precise scissor cut after roughly cutting out a shape). • I can develop a range of practical skills to create products (e.g cutting, drilling and screwing, nailing, gluing, filling and sanding).

Vocabulary

structure, measure (cm/mm), design , prototypes
cutting, purpose, slots, materials, tools,
shaping, perimeter, sanding, evaluate, refinements
(and any other practical skill vocabulary necessary)

