

Y7 Design & Technology Curriculum Summary

Name of unit	Articulated Toy
Why do we study this unit?	This project is an introduction to practical Design and Technology. It is delivered to allow students to understand how to safely operate in a workshop. During the course of the project students will gain confidence and become more independent as machinery becomes more familiar to them.
By the end of the unit, students will be able to....	<p>Reflect on their work and explain simple improvements and modifications. For example, expanding on their initial ideas.</p> <p>Test simple mechanisms they have produced to determine function. Can suggest obvious improvements from these tests. Demonstrate how to cut and shape stock forms using basic tools.</p> <p>Identify common hazards in the workshop and take steps to protect themselves from injury (appropriate PPE etc).</p> <p>Measure using mm.</p> <p>Cut and shape wooden components using basic hand tools.</p> <p>Operate pillar drill, belt sander and Hegner saw with general supervision following training.</p>
Links to previous units	Dependent upon KS2 experience at Primary School.
Key vocabulary	Articulated, Pivot, Linkage, Softwood, Hardwood, Manufactured Board, Analyse, Creativity, Collaboration, Form, Manufacture, Productive / Productivity, The 6R's, Sustainable, PPE, Iteration, Try Square, Tenon Saw, Coping Saw, Function, Mechanism & Specification.