

Autumn 1 Year 2 DT overview

Key facts

Use tools provided to cut materials safely.

Measure and mark out to the nearest cm.

Demonstrate a range of cutting and shaping techniques (tearing, cutting, folding and curling).

Demonstrate a range of joining techniques (gluing, hinges or combining materials to mention)

Create products using levers, wheels and winding mechanisms.

Making Fire Engines

Brief summary/ overview

In this unit, children will work to design, construct and evaluate models of fire engines. They will investigate the key features of a fire engine, using appropriate vocabulary, design it using paper and design software and then create it using various materials and tools. They will use different techniques such as gluing, hinges and combining different materials to create wheels, levers and more.

Prior Knowledge

Children will have been introduced to using tools to manipulate materials and work to a design.

Key Vocabulary

Axle
Chassis
Bolt
Washer
Criteria
Evaluate
Decorate
Design

Resources

Wheels
Dowel rods
Various cutting tools
Glue

Software and paper to design

Cross curricular links/visits

Art

Science - Materials