



# Blue Coat Church of England Academy

**Year: 9**

**Subject: Design and Technology**

## Overview

Students have a double lesson a week and are taught on a 10 week rotation. For their design and technology project in year 9 they will design and make a desktop lamp stand using sustainable and recycled products. The project will cover skills in both Graphic and 3D design.

The project is design brief driven to provide a link to industry working. Students will analyse existing products and the work of Illustrator Nick Dwyer. Students will explore and improve their drawing skills and the ability to communicate their ideas visually and through annotation. The 3D element will see students design and make a desktop lamp, using recycled cans and sustainable wood such as pine and offcuts from other projects. Students will combine design skills with maths to ensure measurements are accurate for their lampstand to be accurate.

They will learn health and safety aspects of the workshop, basic use of the machines, such as the table-top drill, sander and hand tools including Tenon Saws and Screw drivers.

Students are assessed on their designing and making skills.