

# Year 7 Spinning Top (Wood)

## Design Technology Curriculum Road Map



**Links to literacy:** Writing and comprehending research into a condensed piece of writing Literacy- news and current inventors

Topic Name: Marking Out

Why study this project?

Promote accuracy, measuring, dimensions

2

Topic name: Design Ideas

Why study this project?

To research design ideas and create their own to construct a product made from Wood, specifically MDF , as it is a manmade strong product.

4

Topic name: Researching Inventors

Why study this project?

To gain knowledge of inventors and their thought process

6

Topic name: Codebreaking Machine

Why study this project?

To practice a tangible process which looks at form and process.

7

*"The Design and Technology rotation has been designed to encourage you to use your creativity and imagination to solve problems, both as individuals and as members of a team. Through studying Design and Technology in Key Stage 3, you will be using your mathematical and scientific knowledge to learn about new and exciting disciplines such as engineering, computing and art."*

1

Topic name: Health & Safety

Why study this project?

To make sure we are being safe in the workshop, Students become aware of Do & Don'ts in the workshop. Students look at the work of other designers (spinning top inventors).

3

Topic name: : Cutting Out

Why study this project?

To learn how to use tools and machinery safely in the workshop.

5

Topic name: Manufacturing

Why study this project?

To understand the process of manufacturing.

8

Topic name: Recyclable Energy

Why study this project?

To learn about and understand how to resolve global issue, eg. Climate change, pollution.



**Links to Numeracy**

In Design & Technology , we use Math to be able to hold a compass and make accurate marks in readiness for measuring. Students will have a better understanding of measurements and conversions.