

# SCIENCE

**Subject:** Science

**Teacher Responsible for Curriculum:**

## **Intent Statement**

By the time students leave Oak Tree School they will have learnt, through the Forest Pathway, about the world around them through a scientific lens. They will cover the national curriculum for science, taking part in practical activities and developing a curiosity about the world around them.

We want to teach children to be inquisitive and excited about the world in which they live and excite children about scientific concepts. We will also explore contemporary science issues such as sustainability and the planet; giving students the knowledge and understanding they need to live in the world.

## **Implementation**

Using White Rose Science and other curriculum guidance, students learn:

- Scientific vocabulary
- 'Working scientifically' skills including systematic and careful observations and following practical methods
- The gathering and interpretation of straightforward scientific evidence
- The use of everyday materials and scientific equipment to solve science problems
- Articulating scientific concepts and using five types of science enquiries

Learning is personalised based on the individual needs of each student. Progression statements are shared with pupils to ensure they know how to make progress with their learning.

Practical tasks are the focus of the learning.

Trips enhance learning in different topic areas.

## **Impact**

Students will develop an understanding of the world around them, helping them to engage with it with purpose and knowledge. Students will make progress across the curriculum throughout key stage 3.

At Key Stage 4, they will be able to take Science as an option if they continue on the Emerald pathway, working towards the BTEC award in applied science at Level 1 or Level 2.

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