

# Oaklands Junior School Curriculum Intent



## SCIENCE

### Knowledge

Name/ Define, Recognise, Label

### Understanding

Explain, Describe, Identify, Find (patterns), Justify

### Experimenting

Predict, Apply, Conduct, Investigate, Evaluate,

Yr2

**Recognise** simple processes including the basic needs of living things and properties of everyday solid shapes.

**Observe and notice** how living things change over time.

Yr4

**Recognise** more advanced processes including how sounds are made, environments change and how circuits work.

**Observe and notice** how materials can change state.

Yr6

**Recognise** complex processes including evolution and inheritance.

**Name** parts of the circulatory system using the correct terminology.

Yr2

**Identify** different parts of plants and ways in which humans can keep their bodies healthy.

**Describe** basic processes through knowledge and observation.

**Compare** objects, living things and materials and decide how to group them with support.

Yr4

**Identify and describe** functions of different parts of plants and the human body.

**Compare** objects and recognise that they can be grouped in a variety of ways.

**Find patterns** between variables including pitch and sound.

Yr6

**Describe and explain** how complex processes work and the functions of parts of the body.

**Classify** living things based on characteristics and explain reasoning.

**Find patterns and associations** based on prior knowledge.

Yr2

**Conduct** given experiments and begin to recognise ways in which we can answer scientific questions.

**Apply** scientific knowledge in experimental process

Begin to use simple scientific language.

Be curious by questioning.

Yr4

**Conduct** experiments including a **prediction**. Begin to make decisions about the most appropriate way to answer scientific questions.

**Apply** scientific knowledge in experimental process. Use relevant scientific vocabulary verbally and in written work.

Demonstrate an **investigative** mindset

Yr6

**Conduct** independent experiments. Draw conclusions and include an **evaluation**.

**Apply** scientific knowledge in experimental process and use as evidence to justify ideas.

Use a range of scientific vocabulary with correct spelling and pronunciation.

**Investigate** the effect of changing variables