

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