

# SCIENCE 2024-2025

## Intent:

Our intent at Parkdale is that every child has a built-in love for science...to enjoy scientific enquiry to build upon their awe and wonder about the world around them. Our high-quality science education ensures that pupils are encouraged to recognise the power of rational explanation.

## The Curriculum in SCIENCE:

- National Curriculum
- Core values
- EYFS Curriculum
- Lesson based around a key question relating to their LO
- Use of White Rose Science to link with Maths
- Making links with maths e.g. data handling
- Making links to SCARF/PHSE – health, nutrition and growth



## Focus Actions for 24/25

1. To embed White Rose Science.
2. To revisit relevant Scientists linked to the topic (think diversity: living/black /female)
3. To try to use the 'Arts' in some of the lessons.

## What approaches to Teaching and Learning do we use?

- Retrieval of previous learning – either previous year group or previous lesson
- Knowledge Organisers for each topic as a learning prompt/revision tool
- Deliver high-quality lessons linked to the key question
- Science falls within the Sustainable Development School Topic to making the children aware and appreciative of the ever-changing environment and world which they live.
- Use the White Rose scheme of work to help support with the delivery.
- Use of Peer-to-Peer assessment for understanding and retrieval.

## What enrichment opportunities do we provide?

- STEM/STEAM Week
- Explorify
- Values Champion Assembly
- Scientist visitors
- Google Earth
- AR
- Hologo
- NFU enrichment planning
- The Arts - Drama/Music/Dance
- TO MAKE SCIENCE FUN!

## Key Resources in school:

- iPads/Apps
- Science equipment – batteries, human models, magnifying glasses etc...
- Knowledge Organisers
- Displays

## Adaptations to suit a range of needs, including those with SEND.

As part of the SEND provision, we would ensure that all children with SEND can access all areas of the science remit. This would aim to include a range of specialist equipment specific to the tasks available and the use of technology/digital tools to enhance their understanding and learning of the subject. This may include, pre-teach videos, opportunities to record their knowledge, understanding and subject specific language. Additional adult support will also be taken into consideration during a range of science activities.

## How do we evaluate the impact of Teaching and Learning?

- Work scrutiny using online platform Showbie.
- Pupil voice - views, progress, outcomes.
- Engagement in children being able to choose how they show their understanding.
- Lesson observations, learning walks & drop- ins.
- Teacher Voice.
- Teacher Assessment on each area for the learning objectives.

