

## Aims and ambitions

We want our children to understand the important role that science plays in everyday life and deepen their understanding of the world in which we live. We want them to question the world around them and have the skills and knowledge to be able to investigate these questions.

## Knowledge

Throughout the Key Stage children will develop their knowledge in:

- The uses and implications of science
- Scientific Vocabulary
- Observing and Recording
- Processes and Changes
- Scientific Methods

Where possible we will take a cross-curricular (STEM) approach to delivery of this knowledge.

## Planning and Teaching structure (Learning journey)

Science is taught in mixed register classes  
Dimensions is used as a spine to structure the progression and content of lessons and units are taught in a 2 year cycle.

Emphasis is placed on developing scientific enquiry skills alongside the knowledge acquisition of the theme.

## Science procedure



at



## Ewanrigg Junior School

## Skills

Throughout the Key Stage children are taught a breadth of skills in prediction, observation, investigation, recording, concluding and reporting.

The skills will develop in complexity during the 4 years at Ewanrigg Junior School.

Where possible we will take a cross-curricular (STEM) approach to delivery of these skills.

## Adaptive Teaching

All children are able to access all lessons through quality first teaching., adaptation of resources and responding to the needs of the individual child.. We provide targeted support, pre teaching of vocabulary and the use of technology in order to support learners.

We have high expectations of all children and promote academic achievement and well-being.

## Assessment

Pre and post assessments are used to assess the children's scientific knowledge and understanding. Misconceptions highlighted from these quizzes are addressed. Science is monitored as part of the yearly monitoring cycle.

Track Zone is used to build an individual profile of children's knowledge and skills at the end of each project .

Formative assessment is a continuous and integral element of every science lesson and informs any adaptations and next steps in learning.