

# High Aspirations Bright Futures



## Science Intent

At Meadowhead Juniors our intent is to teach children key scientific knowledge required to be able to gain a strong understanding of the world we live in, developing a sense of excitement and curiosity about natural phenomena. They will be encouraged to understand how science can be used to explain what is occurring, predict how things will behave, and analyse causes.

Children will be taught a progressive range of skills which will allow them to work scientifically, leading them to become independent science learners, exploring ideas and planning and investigating scientific experiments. Alongside this we encourage the children to be inquisitive via hands on learning.

Children will be taught key scientific vocabulary before and during teaching of topics. This vocabulary will be revisited to ensure it is embedded and knowledge and understanding is being built on progressively.

Learning is enhanced through school trips to places of scientific interest and visits from professionals into school.

At Meadowhead we want our children to become responsible humans as they begin to have awareness of the world around them and to be able to show how we have positive and negative impacts on the world.

The aims of our curriculum for science are to ensure that all pupils:

- develop scientific knowledge and conceptual understanding through the specific disciplines of biology, chemistry and physics.
- develop understanding of the nature, processes and methods of science through different types of science enquiries that help them to answer scientific questions about the world around them.
- are equipped with the scientific knowledge required to understand the uses and implications of science, today and for the future.