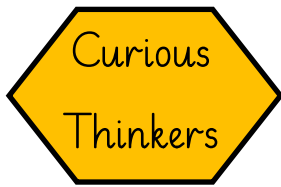




Resilient
Warriors



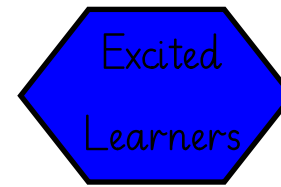
Curious
Thinkers



Ambitious
Individuals



Knowledgeable
Speakers



Excited
Learners



Global
Citizens

Science

"The important thing is to never stop questioning" Albert Einstein.



Intent - we aim to ...

... provide an **exciting** and engaging curriculum based on experiential learning which will have a lifelong impact.

... develop children's **curiosity** about the world in which they live and teach them to become **well rounded citizens** that embrace our diverse school community.

... encourage children to be **curious thinkers** and **knowledgeable speakers** by being **inquisitive** about science.

... provide high quality resources to encourage children to expand their understanding so they can be **ambitious individuals** who are excited to learn.



Implementation - how do we achieve our aims?

Our Science curriculum is designed so that children are taught a range of topics in blocked sections. Each year group is taught using the national curriculum which focuses on developing their knowledge and skills whilst building on their previous learning.

In EYFS children learn about science through their EYFS curriculum, 'Understanding the world' section. It is introduced indirectly through activities that encourage every child to explore, problem solve, observe, predict, think, make decisions and talk about the world around them.



Implementation - continued

In key stage one children continue to develop their scientific knowledge. They are introduced to scientific language associated with topics, use high quality resources alongside their learning and experience a range of outdoor and indoor learning, bringing in experienced visitors to ensure children have that long lasting knowledge and a love for learning.

In Key stage one, children study a range of topics including plants, animals including humans, everyday materials, seasonal changes and living things and their habitats. They begin to understand that skills are required to be a 'good' scientist.

In key stage two children build on their prior knowledge and continue to develop their scientific knowledge through scientific skill based work as well as topic based work. They become excited learners through using high quality resources and exciting experiences presented to them.

We teach the National Curriculum, supported by a clear skills and knowledge progression. This ensures that skills and knowledge are built on year by year and sequenced appropriately to maximise learning for all children. In key stage two, children revisit previous topics and build upon them, learning new topics such as light, rocks, forces, earth and space, electricity and evolution.



Impact - how will we know we have achieved our aims?

Children will be equipped with scientific skills that will enable them to ask questions, predict, set up tests, observe and measure, record data, communicate results and evaluate.

Children will **enjoy** and experience listening to knowledgeable speakers who will speak to the children about science.

Children will be **curious** and **knowledgeable** about a range of exciting opportunities that present themselves around science.

Children will learn to be curious about the world around them. They will ask questions and be ambitious to want to find the answers.

Children will be **excited** learners that wish to continue their lifelong learning journey in Science.

They will become global citizens that understand that science inevitably changes the world and they are a part of that who can make a difference.