

THE ENVIRONMENT AND SUSTAINABILITY

All children will understand both local and worldwide environmental issues and the part that they play in combating such issues. The children will be given opportunities to act as well as be passive learners on the subject.

BIOLOGY

All children will have a clear understanding of the living world - both past and present. They will have opportunities to experience Biology in a range of different contexts.

SCIENCE BIG IDEAS

INTENT

WORKING SCIENTIFICALLY

Experience, investigation, working scientifically and scientific vocabulary are key threads that will underpin each big idea.

CHEMISTRY

All children will have a clear understanding of how both the natural and man-made world are composed. They will have opportunities to investigate and experience Chemistry in a range of different contexts.

PHYSICS

All children will have a clear understanding of the physical world and the way in which physics is evident in everyday life. Children will have opportunities to investigate and experience Physics in a range of different contexts.

THE ENVIRONMENT AND SUSTAINABILITY

- eco club
- school council
- enrichment opportunities through Science week and trips
- forest school for Nursery to Year 2

BIOLOGY

- Developing experts curriculum
- enrichment opportunities through Science week and trips
- links with PE and DT through healthy eating/ diet/ impact of exercise on the body

SCIENCE BIG IDEAS IMPLEMENTATION

CHEMISTRY

- Developing experts curriculum
- enrichment opportunities through Science week and trips

PHYSICS

- Developing experts curriculum
- enrichment opportunities through Science week and trips
- DT links through the use of circuits

WORKING SCIENTIFICALLY

- scientific enquiry map
- TAPs materials
- enrichment opportunities through Science week and trips

THE ENVIRONMENT AND SUSTAINABILITY

Our pupils will leave Stapleford with a strong social awareness of the need to look after our involvement and the changes our planet has faced.

BIOLOGY

Our pupils will leave Stapleford with a strong understanding of core biology knowledge to enable them to continue to extend this knowledge as they move into KS3. Their knowledge will help them to consider how they can look after their own bodies and health.

SCIENCE BIG IDEAS

IMPACT

WORKING SCIENTIFICALLY

Our pupils will leave Stapleford with the ability to write clear conclusions and evaluations about their experiments. They will be able to develop enquiry questions and consider the variables involved. Enquiry opportunities will develop curiosity about the subject.

CHEMISTRY

Our pupils will leave Stapleford with a strong understanding of core chemistry knowledge to enable them to continue to extend this knowledge as they move into KS3. Their knowledge will help them understand the role chemistry plays within the natural world.

PHYSICS

Our pupils will leave Stapleford with a strong understanding of core physics knowledge to enable them to continue to extend this knowledge as they move into KS3. Their knowledge will help them apply skills to different contexts such as DT.