

The Science Curriculum at Northleaze - Intent

At Northleaze, we want our children to see themselves as scientists. We want to nurture a curiosity for science that will follow them into their future journeys. We are passionate about engaging and inspiring more children to develop a love of STEM, increase our children's science capital and encourage our young people to choose STEM subjects in their future.

Key features of Science lessons at Northleaze – Implementation

- Science Curriculum leaders have mapped out the curriculum to ensure progression and coverage.
- Teachers begin planning using the National Curriculum objectives.
- Knowledge organisers are used ensure all objectives are covered and key vocabulary is taught.
- At the start of each unit, teachers check prior knowledge
- Teachers ensure that the purpose of each lesson is clear (LF)
- Investigations are a vital component of science lessons so children can really see themselves as scientists and learn how to reason and work scientifically.
- Vocabulary is key; teachers model the correct use of scientific terminology to increase accuracy and understanding. Key vocabulary for each topic is displayed in classrooms.
- Teachers utilise our local context for visits, trips and experiences.
- Teachers use the TAPS assessment website for ideals and exemplifications for investigations and assessment.
- Once objectives have been taught, teachers highlight on the 'Summary of Statutory Requirements' sheet.

Thematic Weeks:

In 2012, our school was instrumental in setting up a yearly Science Challenge for children in our school and local schools. Our aim was and still is to inspire children to have a real love of Science. This project has been a resounding success and, since 2012, we have held a Science Challenge every year and grown from 4 to over 30 local schools!

During Science Week, all children in our school collaborate in mixed age groups to fulfil a brief and create something truly exciting! The children are really enthused by this week and love the competitive element. The winning teams attend a final, alongside all finalists from all participating schools, hosted at a grand venue in Bristol.

Professional development for all staff:

The Science curriculum lead/s attend termly Science Network Meetings. Key information from these are then passed down to all staff during Professional Learning Time. Subject link Governors meet frequently with the Science leads to ensure the Governing body are kept up to date with what is happening in Science lessons in school. The Science leads also meet regularly with key teachers at other schools to plan the Science Challenge each year.