

**Walton CEVC Primary School**  
**'Every Child, Every Chance, Every Day'**



**OVERVIEW OF SCIENCE**

**Why this subject is important in our school:**

We teach Science to the pupils in our school because it;

- is integral to all aspects of daily life; it increases pupils' knowledge and understanding of our world. It encourages respect for living organisms and the physical environment.
- is engaging and inspiring; it encourages pupils to investigate and solve problems and develop critical thinking skills.
- helps to develop cultural capital in our pupils by contributing to the culture, knowledge and the wealth of our nation
- scientific methods of investigation help pupils to develop their natural curiosity and encourages inquiry based learners.
- incorporates and enhances cross-curricular learning, for example: measure and statistics; computing and Understanding the World (EYFS).
- provides opportunities to develop Pupil's questioning and the skills they need to answer those questions.
- encourages collaborative work and discussion based learning

**How this subject is organised in our school:**

- We aim to be fully inclusive and give all pupils a strong understanding of the world around them whilst acquiring specific science skills and knowledge to help them to think scientifically and to gain an understanding of scientific processes.
- Science is incorporated into our Long term planning programme. To ensure coverage of the knowledge and skill requirements of the National Curriculum we teach science more discretely following a 2 year rolling programme in Year 4 to Year 6, whilst we teach the subject on a yearly programme discretely in Year 1 to Year 3.
- We encourage pupils to use key scientific vocabulary and definitions in order to show understanding and readily apply scientific language to their written and verbal communication.
- We are currently developing WOW termly Science Days, focusing on investigative skills with a whole school theme. In addition to this a School Science Week is planned to promote further investigative skills, questioning and problem solving.

**How we will measure Impact:**

- By the end of KS2, Pupils will have a broad base of science knowledge and skills that will leave them well-prepared to progress further in science, and well-informed about science in their everyday lives.
- Pupils will achieve age related expectations in Science at the end of their cohort year retaining knowledge/vocabulary that is pertinent to Science with a real life context. They will show progression across all key stages within the strands of Science
- Pupils will be able to question ideas and reflect on their knowledge in different contexts working collaboratively and practically
- Pupils will be able to explain the process they have taken and be able to reason scientifically.
- Teachers will track knowledge in pre and post learning quizzes and assessments.
- The science subject leader will routinely monitor the impact of science teaching on Pupils' learning through book scrutiny to ensure that progress is made and the breadth of knowledge and skills is being taught

