Overview | Science at Acton CEVC Primary School

Strive:

- We use our Subject Skills Progression to ensure National Curriculum coverage and to structure our units. Curriculum objectives are separated into year groups and Sc1 objectives are divided up between the Key Stages;
- We do not use a scheme for Science. This allows teachers to be creative with their lessons and particularly their experiments. It also means Science is tailored to the needs of the children at our school and linked to other subjects wherever possible i.e. using statistical skills to analyse facts about Earth and Space;
- The school's long-term Science Plan and vocabulary map show how our topics are interwoven and revisited through the years;
- Substantive and disciplinary knowledge are interconnected in our lessons.

Support:

- Every science topic begins with a cold assessment. This allows the teacher to see where the children's knowledge gaps are. This is followed by the sharing of a knowledge organiser, which is revisited throughout the topic. Every unit ends with a hot assessment, which allows for progress and attainment to be clear to all. Teachers use this to update PiTA judgements on Pupil Asset;
- We are working on pupils marking their own work and editing their work with a green pen where possible. This gives opportunities to correct misconceptions;
- Challenge can be seen through open-ended questioning and chilli challenges. Children are also able to change variables in practical tasks, allowing them to explore their ideas;
- SEND support is primarily managed through LSA and peer support in class, with necessary task adaptation used when needed;
- We are working on the children's long-term recall of knowledge and vocabulary, using mini-quizzes to facilitate spaced retrieval practice.

Succeed:

- The teaching of Science is embedded throughout each year group;
- We celebrate British Science Week with various practical activities, often mixing year groups up to encourage peer support;
- All year groups have individual work books that include Cold/Hot tasks and Knowledge Organisers;
- School trips and visitors are a part of our Science curriculum. This has recently included a Y5 girls Olympiad Day' at another school, chicken eggs being hatched out in school and Y3 representing us at the Suffolk Show;
- We celebrate diversity in Science, learning about Scientists such as Mary Anning and Mae Jemison in lessons;
- Children have the opportunity to explore their ideas and test theories in many practical lessons throughout each year.