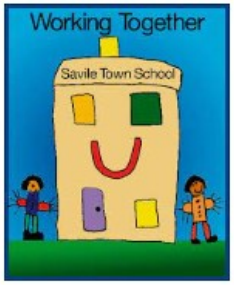

Science in a nutshell

Intent

- To prepare our children for life in an increasingly scientific and technological world.
- To help them understand that science underpins every aspect of their daily lives.
- To teach them to be concerned about and actively care for their environment.
- To provide a curriculum that is coherent, progressive, flexible and inclusive.
- To help our children acquire practical scientific skills.

Implementation

- Staff have extensive subject knowledge.
- Subject-specific vocabulary is explicitly taught and prominently displayed in the classroom.
- Trips and visitors are used effectively to enhance the children's learning experience.
- High quality resources support our children's learning.
- Elements of enquiry-based learning feature in each topic, to help our children learn how to work scientifically.
- Assessment for Learning is used effectively to plan next steps.
- Science-themed days are celebrated throughout the year.

Impact

- Our children will be excited and enthusiastic about science, and see the relevance of it to their own lives.
- They will understand scientific vocabulary and use it correctly, in the context of their everyday lives.
- There will be clear progression in scientific vocabulary and investigative skills from Nursery to Year 2.
- Children will demonstrate a respect for living things and be able to talk about ways in which they care for their environment.
- Children's progress in science will be tracked and most children will reach

In science lessons, you will see:

- Children working collaboratively
- Discussion-based activities with a focus on scientific vocabulary
- Practical, 'hands-on' learning, which allows children to develop their scientific skills

Our priorities to improve science are:

- To develop our school grounds, so that they may be fully utilized as a scientific resource.
- To establish a gardening club for children in Reception to Year 2.
- To develop our classroom displays in KS1, using a 'working wall' format with vocabulary at the heart.
- To ensure that scientific resources are readily available in the continuous provision, so that children can independently develop their practical scientific skills.

NON-NEGOTIABLE

- Each science topic will incorporate enquiry-based learning
- Subject-specific vocabulary will be explicitly taught and prominently displayed in classrooms
- Outdoor learning will be incorporated throughout the year
- KS1 science data will be input on the tracker
- Evidence of children's learning will be found in their individual books (KS1), in floor-books or on Evidence Me (EYFS) and on displays throughout school

To excite and engage our children in science, we:

- Incorporate exciting, enquiry-based lessons into each topic
- Celebrate science-themed days throughout the year
- Use trips and visitors to enhance the children's learning

Here is what the pupils say about science:

- Children speak animatedly about what they have been learning in science, sometimes using relevant scientific vocabulary
- They feel that their teachers explain things clearly in lessons
- They feel that marking helps them to know what they are achieving
- Some children believed that they didn't use science outside of school