



HEATHFIELD SCHOOLS' PARTNERSHIP

CURRICULUM OVERVIEW – SCIENCE

Intent

The science curriculum will ensure that children will be able to:

- Acquire scientific knowledge and conceptual understanding in biology, chemistry and physics.
- Use and apply the skills of scientific enquiry.
- Understand the uses and implications of science.

Implementation

The schools' science progression document outlines the knowledge and skills that will be covered in each year group.

EYFS

Planning in the moment invites children to be inquisitive and experience awe and wonder. They are encouraged to comment and ask questions about the natural world and things that they have observed (plants, animals, materials). Resources to enhance this learning are available daily and during the school science week planning focuses on this aspect of the curriculum specifically.

Key Stage 1

Science is taught once a week in Key Stage 1. The emphasis of the curriculum is on children acquiring knowledge through a range of different scientific enquiries. Learning objectives are in the form of a question which will then be explored and answered by the end of the lesson, therefore reflecting how a scientist works.

Key Stage 2

Science is taught twice a week in Key Stage 2. The knowledge and scientific skills documents with support from "Rising Stars Switch on Science" provide the starting points for year group planning and are adapted where appropriate for the current needs of the pupils. The emphasis of the curriculum is on children acquiring knowledge through a range of different scientific enquiries. Learning objectives are in the form of a question which will then be explored and answered by the end of the lesson, therefore reflecting how a scientist works.

Impact

Assessment

Teachers and Early Years Practitioners use a range of on-going assessment for learning techniques to gather information about children's development within the associated strands.

In Nursery and Reception children's Tapestry files are updated during their focus weeks and this is shared with parents.

In Key Stages 1 and 2 assessment during lessons and marking enables teachers to adapt planning as required. Three children in each class are tracked to provide benchmark information to complete a whole class summary sheet at the end of each topic: working scientifically and knowledge.

Monitoring

Members of the Senior Strategy Team, Year Group Leaders and Phase Specific Subject Leaders undertake a range of monitoring activities across a year that include:

- "Pop ins"/learning walks
- Work scrutinies
- Discussions with children
- Review of assessment sheets

An in-depth review of science takes place every 2 years as outlined on the schools' review schedule.