

## SCIENCE POLICY

### Intent:

Purpose of study Summerfields Primary School understands the need for all pupils to develop their Scientific ability as an essential component of all subjects and as a subject in its own right. Through investigation, we aim to develop a sense of excitement and curiosity of natural phenomena. A good understanding of scientific knowledge and conceptual understanding helps to support pupils work across the curriculum. At Summerfields Primary school we believe that Science is a body of knowledge built up through experimental testing of ideas. Science is also a practical way of finding reliable answers to questions we may ask about the world around us. Science in our school is about developing children's ideas and ways of working that enable them to make sense of the world in which they live through investigation, as well as using and applying process skills.

We believe that a broad and balanced science education is the entitlement of all children, regardless of ethnic origin, gender, class, aptitude or disability.

**During these unprecedented times, Summerfields Primary Academy has adjusted the Science policy. Pupils of all ages should follow the guidelines set out in the Health and Safety Risk Assessment.**

**The children's well-being, enjoyment of school and the feeling of safety is our priority, whilst ensuring that each individual's needs are continued to be met and that progress is made.**

### Implementation:

- Teaching methods are wide ranging and include whole class teaching, experimental learning, discovery methods, problem solving, open-ended investigations, or a mixture of these.
- Teachers follow '**Key Skills Document**' to plan and implement next steps.
- When relevant to the exploration, teachers display the science work within the classrooms.
- Science will also be taught as discrete units and lessons where needed to ensure coverage: Hypothesising and predicting, Planning and carrying out investigations, Observing and measuring, Presenting results by appropriate means, including use of ICT, Evaluating results and drawing conclusions.
- Giving clear and accurate teacher explanations and offering skilful questioning.
- Making clear links between science and other subjects. In particular, PE, maths and computing.
- Ensuring children are given enough time to study the four main areas of the science curriculum. These are scientific enquiry, Life and living processes, materials and their properties and physical processes.
- Offering many opportunities for practical investigation and enquiry.
- Teaching science outdoors as well as in the classroom.

### Impact:

Children are involved in the process of self-improvement, recognising their achievements and acknowledging where they could improve. Activities during, and at the end of, each topic record achievement and celebrate success. We follow a science tracker where teachers record assessments and focus on next steps. By following the science curriculum, the children will develop a sense of excitement and curiosity of natural phenomena and wider world.