



# Sandhill Primary School



## Our Vision for Our Subject

## Science

### Intent:

Science teaching at Sandhill Primary School aims to give all children a strong understanding of the world around them, while acquiring knowledge and skills to help them think and work scientifically.

At Sandhill we want children to enjoy their science lessons and assume the role of a scientist whilst they are conducting their experiments, therefore we offer many opportunities within our topics for children to be able to do this. We also ensure that the skills linked with working scientifically are embedded in each topic the children cover. Topics such as: materials, plants and animals are taught in Key Stage One and developed upon in Key Stage Two. This enables children to build upon their skills and prior knowledge throughout their journey through school.

### Implementation:

Science topics are allocated to each year group following the National Curriculum, recorded in our curriculum map. We follow a 2-year rolling programme. Science is usually taught as a discrete lesson weekly. A 2-year plan has been developed which ensures that mixed age classes will cover the science objectives. The children will cover approximately half of their year group expected units and ones from remainder being from either the year group above or below. For example: The year 1/2 class will cover half of the year 1 and half of the year 2 units in one year. The following year they will be taught the missing year 1 and 2 units. Each teacher is provided with a 'Gimme 5' which states 5 key objectives which will be taught each term.

As part of this process, teachers need to plan the following:

- A cycle of lessons for each topic, which carefully plans for progression and depth;
- Opportunities for children to develop their skills in working scientifically;
- Retrieval practice which supports children in knowing more and remembering more
- Experiencing a wide range of scientific vocabulary, which they will learn, use and understand.

Work is monitored by the subject leader in order to ensure consistency and progression.

### Impact:

Our science curriculum at Sandhill Primary is high quality, well thought out and is planned to clearly display progression throughout the age ranges. If children are keeping up with the curriculum, they are deemed to be making good or better progress. In addition, we measure the impact of our curriculum through the following methods:

- A reflection on standards achieved against the planned outcomes;
- Pupil discussions about their learning; which includes discussion of their thoughts, ideas, processing and evaluations of work;
- Assessment against the year group expectations for skills and knowledge.