



# Science at Boxgrove



## INTENT

At Boxgrove, our vision is to provide a curriculum that will ignite pupils' curiosity and encourage them to confidently explore the world around them, so that they develop a deeper understanding of the world we live in. We endeavour to inspire pupils and provide an enjoyable experience of science, so that they will develop a deep and long-lasting interest in science, and become motivated, lifelong learners.



## BIG IDEAS

- All lessons will start with an enquiry question.
- Vocabulary is taught at the beginning of lessons.
- Children are exposed to all the different enquiry skills over the year.
- STEAM week is held every year to promote the connections between these subjects
- Science is taught weekly in all year groups.



## CONTENT & SEQUENCING

Our curriculum has been carefully sequenced to ensure that topics are blocked into themes e.g. biology/plants, chemistry/rocks and physics/materials.

Our curriculum is supported by the Greater Depth Science resources created by Chris Quigley. Teachers are expected to use this to support their planning.

We ensure that when teaching working scientifically skills we give children an opportunity to learn through the range of enquiries e.g. fair testing, research, observation over time, pattern seeking, sorting and classifying. We use the following symbols below to help build a schema too.



## LINKS WITH ENGLISH & MATHS

### English-

Children are given multiple opportunities to communicate their understanding of science through spoken, written, or visual representations.

### Maths-

Recording data in the format of bar charts, tables, pictograms and line graphs



## RETRIEVAL

## PRACTICE

At the beginning of each lesson there will be an opportunity for children to retrieve learning from their long term memory. This will include learning from the previous day, term and year. It will be low stakes e.g. quizzes or mind mapping.



## SUPPORT

In order to support children we use our EAL and PP champions to pre teach knowledge, skills and vocabulary to children who are highlighted as being beneficiary.

