

Intent

Why is Science important at Bridgetown?

Science is an important and valued subject because it is highly relevant; an integral part of daily life, from cooking and checking the weather, to recycling and nature walks.

Through science, our lives are changed for the better. We believe all pupils should be taught about the role that science plays in positive advancements, as well as scientific knowledge, methods and processes.

Advances in science are continuing to transform our world at lightning speed and we need to do our best to prepare our pupils for a future we can only imagine.

Implementation

When is Science taught?

Science is taught through thematic units. The Satellite View maps out which thematic units feature this subject and clearly shows the objectives taught.

How is Science taught?

Science is taught through working scientifically (involving practical investigation, observation and application skills, enquiry and research) alongside specific taught subject knowledge. Learning takes place both inside and outside the classroom.

What do we learn about in Science?

'Learning Means the World' Curriculum

We learn about:-

Plants

Animals, including humans

Materials

Seasonal changes

Living things and their habitats

Light and heat

Forces and magnets

Sound

Electricity

Earth and space

Evolution and inheritance

Movement

How Does Our Learning Grow?

How do we assess and monitor Science?

Formative assessment in science occurs throughout the learning process, through dialogue and conversation with the children as they are working. At Bridgetown, we want to promote the whole child and value our children's individual responses in the subject; therefore, we should give open-ended feedback and use effective questioning techniques.

For their summative assessment, teachers refer to the Skills Ladder and Knowledge Builders for their phase group.

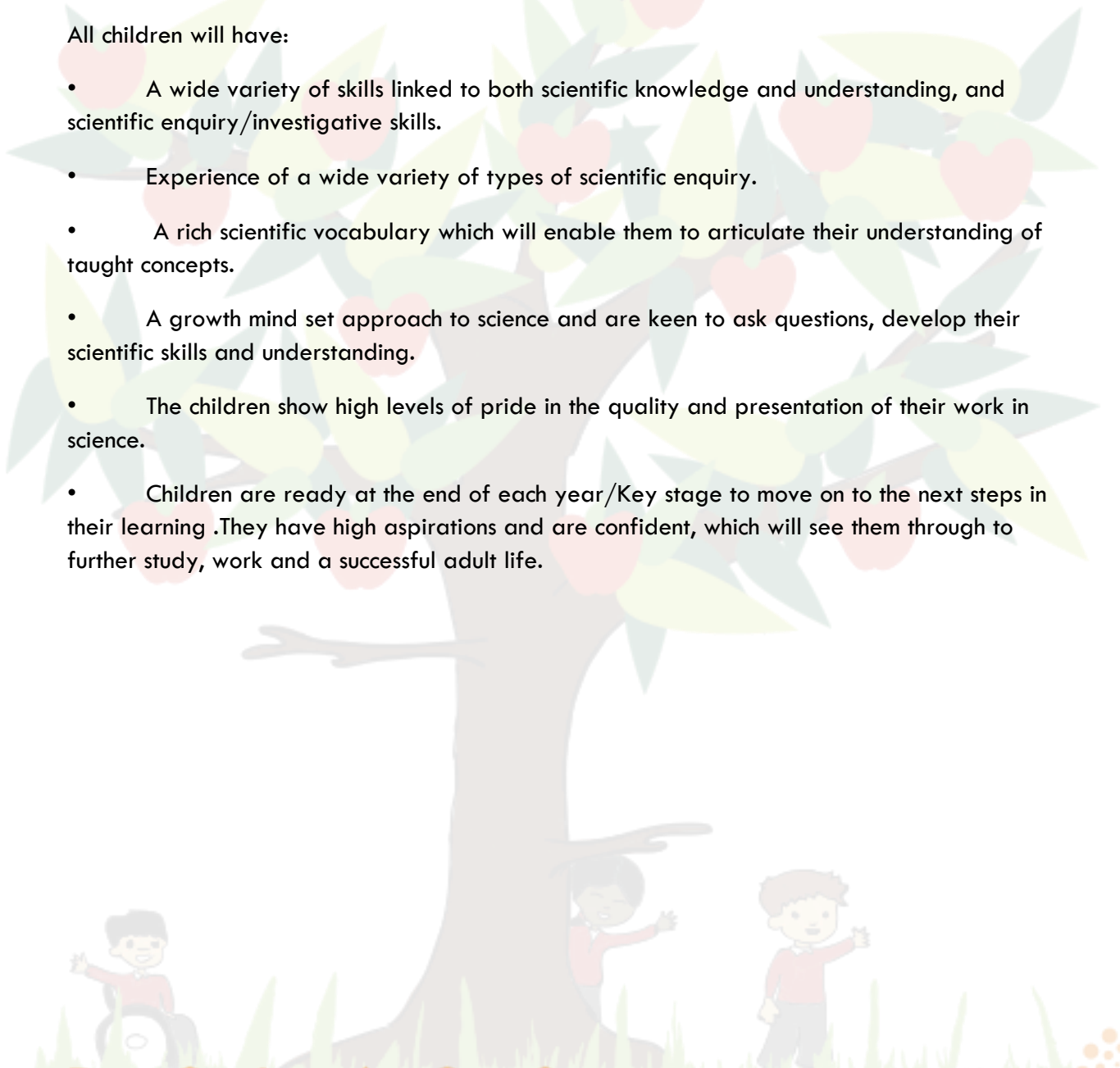
Impact

What difference does our Science curriculum make to our pupils?

The impact and measure of this is to ensure children not only acquire the appropriate age related knowledge linked to the science curriculum, but also skills which equip them to progress from their starting points, and within their everyday lives.

All children will have:

- A wide variety of skills linked to both scientific knowledge and understanding, and scientific enquiry/investigative skills.
- Experience of a wide variety of types of scientific enquiry.
- A rich scientific vocabulary which will enable them to articulate their understanding of taught concepts.
- A growth mind set approach to science and are keen to ask questions, develop their scientific skills and understanding.
- The children show high levels of pride in the quality and presentation of their work in science.
- Children are ready at the end of each year/Key stage to move on to the next steps in their learning .They have high aspirations and are confident, which will see them through to further study, work and a successful adult life.



How Does Our Learning Grow?