



**Ball Green Primary School**

# Science Policy

## 2022-2023

Signed by:

Mr. J Hankey ..... Head Teacher                      Date: .....

Mr. G Hayes ..... Chair of Governors                      Date: .....

Next review date:                                      September 2022

**Every child. Every chance. Every day.**

*Article 28: Every child has the right to an education.*

*Article 29: Ball Green Primary School has a responsibility to develop every child's personality, talents and abilities to the full.*



Ball Green Primary School

# Curriculum Policy

## Science

[September 2022]

Intent – Implementation – Impact

**Every child. Every chance. Every day.**

*Article 28: Every child has the right to an education.*

*Article 29: Ball Green Primary School has a responsibility to develop every child's personality, talents and abilities to the full.*



## Our Science Curriculum vision:

A high-quality science education provides the foundations for understanding the world through the specific disciplines of biology, chemistry and physics. Science has changed our lives and is vital to the world's future prosperity; all pupils should be taught essential aspects of the knowledge, methods, processes and uses of science. Through building up a body of key foundational vocabulary, knowledge and concepts, pupils should be encouraged to recognise the power of rational explanation and develop a sense of excitement and curiosity about natural phenomena. They should learn, through practical experience, to understand how science can be used to explain what is occurring, predict how things will behave, and analyse causes. An attitude of independent thinking, co-operation, perseverance and self criticism will be developed.

*"Science is the attempt to make the chaotic diversity of our sense-experience correspond to a logically uniform system of thought."*

[Albert Einstein](#)

**Every child. Every chance. Every day.**

Article 28: Every child has the right to an education.

Article 29: Ball Green Primary School has a responsibility to develop every child's personality, talents and abilities to the full.



### The curriculum:

The curriculum at Ball green is text based allowing, where possible, links to science to be explored through the use of the class text. Through the implementation of a practical science curriculum, children have the opportunity to feed their natural curiosity through enquiry, working scientifically skills and knowledge.

Each year group has 2 hours per week of science. This time allows for a revisit of prior knowledge followed by the opportunity for pupils to make links, question and develop their curiosity through a model of enquiry-based learning.

All year groups follow EYFS or National Curriculum expectations and they follow a progression of skills document to develop science across the school ensuring the progression of skills and tier 3 vocabulary.

Each class is now following Plymouth Science as a scheme of work which we are trialing alongside other schools within the Ogden Trust network of which we are a part of.

## Every child. Every chance. Every day.

*Article 28: Every child has the right to an education.*

*Article 29: Ball Green Primary School has a responsibility to develop every child's personality, talents and abilities to the full.*



### Scientific enquiry types:

A variety of scientific enquiry types are used in each year group, and these are all covered within the school year:

- comparative / fair testing.
- research.
- observation over time.
- pattern seeking.
- identifying, grouping and classifying.
- problem solving.

**Every child. Every chance. Every day.**

*Article 28: Every child has the right to an education.*

*Article 29: Ball Green Primary School has a responsibility to develop every child's personality, talents and abilities to the full.*



## **Monitoring of the Curriculum:**

Standards achieved / received curriculum / experienced curriculum

Pupil Book studies

Teachers' assessment on DCPro (curriculum tracking formative assessments)

Learning Walks

Lesson Observations

Flipchart / Resources reviews

Subject leader discussions and network support

Link governor visit reports

PSQM

Deep Dives

**Every child. Every chance. Every day.**

*Article 28: Every child has the right to an education.*

*Article 29: Ball Green Primary School has a responsibility to develop every child's personality, talents and abilities to the full.*