|  |
| --- |
| ***“The important thing is to never stop questioning.” – Albert Einstein.*** |

 **SCIENCE CONSTRUCT**

**Aims and Objectives**

Science inspires in children an inquisitive nature and a thirst to understand the world around them. It provides the basic knowledge for allowing them to understand how things work and the skills for understanding how to investigate scientific questions for themselves. Children will see the importance of science in today’s society as well as for the future. Children will develop their scientific vocabulary across all areas so that they can explain their understanding clearly and precisely. Learners will see how their core maths and English skills relate to this subject and will have the chance to apply these skills.

**What Science looks like at Dowson**

Curiosity

Science at Dowson is engaging and exciting. Lessons provoke thought and encourage questioning. Children are taught to hypothesise and are given the opportunity to discover scientific concepts for themselves where possible.

Scientific skills

At the very heart, is a focus on developing scientific skills and the ability to think scientifically alongside developing core, quality knowledge and understanding. The majority of lessons will allow children to explore science in a practical way and they will have many opportunities to plan, predict, make observations and analyse results. Children will conduct investigations using the 5 types of enquiry and will use a range of scientific equipment. They will have the opportunity to display their understanding in a range of ways and where possible this will link to maths and English skills.

Collaboration and vocabulary

In the majority of lessons, children will have the opportunity to work with other children and to share and discuss their scientific thinking. They will be encouraged to use the correct vocabulary in their discussions and teachers will model this clearly.

**Vision for Pupils**

Children will:

* Enjoy science and have a life-long love of the subject.
* Have inquisitive and enquiring minds and be unafraid to ask questions. They will understand how to investigate their questions selecting the most appropriate type of enquiry.
* Be able to think scientifically and can apply scientific skills in a variety of contexts.
* Have a good scientific understanding across all areas and will be able to explain their thinking clearly with key scientific vocabulary.
* Have an appreciation of the importance of science in the world both today and in the future.
* Be able to work collaboratively with others.