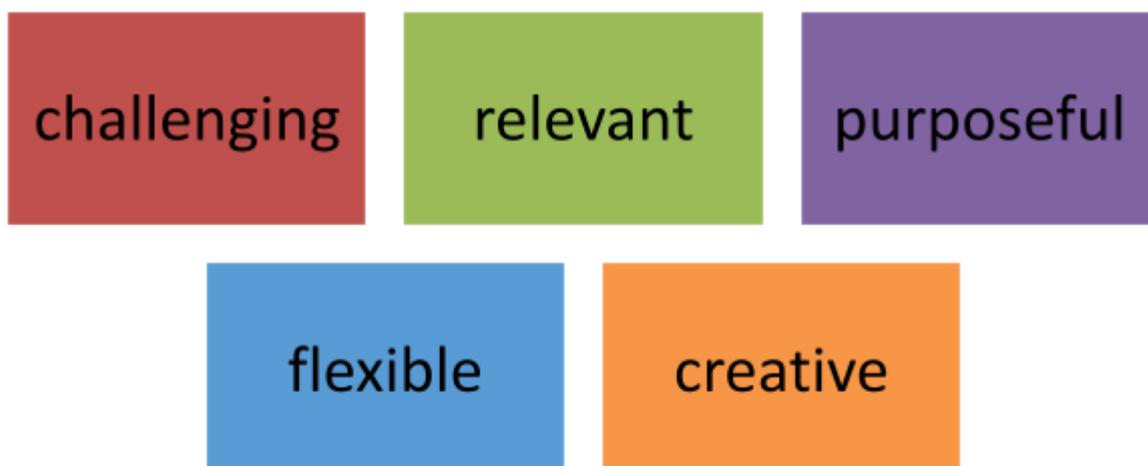


### **Science Intent:**

Through our school vision of 'Opening a World of Learning and Opportunity' we intend to deliver a science curriculum that will be:



In doing this we will develop our values of:



We strongly believe that high quality science learning inspires children to be curious, questioning and open-minded about the world around them and that this motivates them to learn, think and act as scientists, but also as responsible, considerate of the environment and morally aware young people.

As a school we believe knowledge and skills go hand in hand, so our curriculum works to develop these simultaneously. This is structured through units planned loosely using our 'Vigo Enquiry Cycle' and is supported in delivery by our '50 Things to do Before you Leave Vigo', and SOLO Taxonomy.

Through our carefully designed curriculum using the 'big ideas' and National Curriculum in science we develop children's science skills, reasoning, subject knowledge and attitudes by immersing them in fun practical and hands-on science lessons. The aim is to allow children to independently explore and problem solve in a purposeful learning environment. We plan purposeful outcomes which enable children to show and explain what they have learnt and to think about what this learning means for them and for others.

Through our well planned curriculum we aim to encourage children to question that world around them and use their inquisitive nature to learn about science and nature and build on their own subject knowledge.

### **Science Implementation:**

At Vigo Primary School we ensure high quality science teaching and learning through the implementation of our concepts driven curriculum delivered through the Vigo Enquiry Cycle. This allows children to be inquisitive, open-minded and respectful.

Science is taught every term at Vigo. Learning is structured to allow children to explore the 'Big ideas' in science. Children are taught subject knowledge as well as building on enquiry and investigative skills over time. Children are expected to give reasoning to their thoughts and keep an open mind about the outcomes of their investigations.

The science curriculum builds on previous knowledge and aims to introduce new vocabulary and science understanding through practical and investigative learning and also discrete subject teaching.

We challenge, motivate and involve all learners through science lessons, helping to support the development of children who question the world and what they observe around them. We deliver this through our challenging questions and exploration of the key 'big ideas' . Our use of SOLO Taxonomy helps to ensure open-ended learning, with challenging tasks that ensure glass-ceilings are not placed on children's learning. Support has been given to staff on impactful and purposeful task design, ensuring equity of learning opportunities across the school. This allows children to delve deeper into their understanding and to apply their factual knowledge to a higher degree, reaching their own conclusions and giving their own interpretations.