Wylye Valley
Primary School

Love Care Respect

To aspire to being outstanding in everything we do, by always aiming higher.

"Let your light shine in all you say and do."

Matthew 5:16

Science at Wylye Valley

Intent:

All children at Wylye Valley School will have a science curriculum which enables them to confidently explore and discover the world around them, applying the Christian values of Love, Care and Respect to this learning. The children will acquire key science skills through inquiry based topics, developing a range of skills including observations, planning and investigations. The children will be encouraged to become independent learners by asking questions, using graphs, pictures and photographs; using ICT to enhance learning and informed discussions.

Core subject/topic knowledge is taught through direct teaching, experimentation and exploration. Topics, such as Plants, are taught in Key Stage One and studied again in further detail in Key Stage Two.

We are aware that a good scientific education leads to opportunities for children to study in higher education and is valuable to for future careers.

Implementation:

We follow the National Curriculum for science using an investigative approach based on the Tom Robson Science scheme. There is a two-year overview to ensure every child is taught all the topics. Science is taught in blocks so the children are able to immerse themselves in the topic and carry out investigations that need to be observed, measured and recorded in different ways.

Impact:

Our science curriculum is planned to demonstrate progression in subject knowledge and scientific enquiry skills. Children are deemed as being at expected if they are assessed as keeping up with the curriculum, or not expected. We want all children to be able to

- Think independently and ask questions.
- Have competence in a range of science skills, and be able to plan and carry out investigations.
- Demonstrate excellent scientific subject knowledge through written and verbal explanations, solving problems and recording findings in an appropriate medium.
- Nurture a joy and curiosity for science, an interest in famous scientists and their work and reflect on its application in past, present and future technologies.