

Subject Area Intent for Science at St. Bernard's Catholic Primary School

We will foster a lifelong love of learning through engaging children in relevant purposeful and exciting child-centred learning. Through varied provision, support and challenge we will support each child in achieving as a learner, developing enquiring minds and as a person - developing social, moral and emotional resilience.

Intent	Explanation	Science Specific Intentions
Social and Moral development	We will pro-actively include social and moral development across the curriculum linking with our mission statement "you are precious in my eyes." We will support children in developing respect for themselves and others and preparing them to be good citizens of the future.	Within all scientific learning and investigation, pupils will be encouraged to engage in discussions with their peers and respect the thoughts, opinions and predications of others. Healthy debate will be promoted, with pupils encouraged to explain their reasoning for their own points of view. The ethical and moral discussions that arise within certain scientific topics such as how scientific beliefs compare and contrast with religious beliefs, how scientific beliefs develop over time, how great scientists often faced ridicule prior to success and how the road to great scientific discovery can be paved with failures will all be handled with sensitivity and moral understanding, helping the pupils to be understanding, resilient, imaginative and ethical in their approach to scientific thinking both as pupils and in their future lives.
Developing Life Skills	We will maintain a focus in our curriculum to develop life skills including resilience, independence, self-motivation, self-awareness, self-esteem, and mental well being	Relevant scientific units throughout the Key Stages will make reference to how specific scientific skills can be used and applied within their own lives, giving real life examples where possible, particularly in relation to the curriculum's 'Working Scientifically Skills' for each Key Stage.
Flexible	We will review and adapt our curriculum to meet the needs and interests of our learners. Children's interests and knowledge will be a factor in determining our curriculum.	Throughout all science lessons and units, we will pay close attention to any keen interests demonstrated by pupils in each year group and develop our planning accordingly to accommodate them where possible. Hooks for interest and exciting experiences will be included wherever possible and flexible planning allows for including/expanding on areas that the pupils have expressed an interest.

Skills based	Our curriculum will focus on skills based learning where our children develop skills that they can use in other topics and other areas of the curriculum	The 'Working Scientifically Skills Grids' from the Lancashire Key Learning Areas are at the heart of our science curriculum, influencing all planning, teaching, learning and assessment of pupils. With all knowledge being covered there is an expectation that a Skill/Skills should also be developed during the lesson.
Practical	Our curriculum will include a wealth of practical learning giving greater purpose and relevance to learning and providing children with the opportunity to learn through doing rather than rote content learning.	Within all relevant science topics in each year group all opportunities for practical experiences, research, experiments, presentation of learning are utilised to offer pupils a varied & engaging experience of the science curriculum at St. Bernard's.
Relevant, Purposeful & Engaging	The curriculum will be grounded in real life experiences which are meaningful to our children. The children will be exposed to issues in the local community, national and international events. Relevant links will be made at every opportunity. Our school family will be encouraged to be independent enquirers and ask Life's Big Questions. They will be exposed to experts in their field, be it staff, other children, visitors or the wider school family	Real life experiences and scenarios will play a fundamental part of our teaching of science at St. Bernard's, making science and learning meaningful and purposeful for our pupils. The pupils will be exposed to local, national & global scientific issues regularly, with their part in each community level highlighted throughout. All learning will not simply contain knowledge, but interest and purpose. The pupils will not only SEE the science & KNOW the science, but DO the science & BE the scientists.
Challenge	We will challenge our children to be the best that they can through careful planning prior to the lessons and also through " in the moment planning."	Through considered planning, engaging & purposeful lessons & continuous support we will challenge all of our pupils to achieve their best and be the best that they can possibly be within science and other linked areas or learning and life. All pupils will be challenged and have high expectations for progress, with all the necessary support provided to achieve these high expectations and leave St. Bernard's as confident & conscientious scientists. We are all scientists.