

Science Cultural Capital

Cultural capital is the accumulation of knowledge, behaviour and skills that a student can draw upon and which demonstrates their cultural awareness, knowledge and competence. It is one of the key ingredients a student will draw upon to be successful in society, at secondary school and further education and eventually their career and the world of work.

At Clee Hill Community Academy, we enhance children's experiences and learning by utilising different opportunities in our Science Curriculum and around school and withing the wider community.

We provide engaging Science lessons weekly whilst teaching the National Curriculum topics to develop their working scientifically skills. We encourage children to extend their vocabulary within Science. We also plan various experiences and develop their skills to prepare them for the real work. We take advantage of any opportunities to visit our local community or wider community to see what is happening around us with adults modelling and encouraging the right social, language and behavioural skills.

Whole School

STEM - Throughout the year all year groups at Clee Hill attend STEM activities within the Shropshire Gateway Educational Trust. These activities are led by Science experts and provide opportunities for pupils to engage in higher level thinking with carefully prepared problems to solve, using a range of equipment. Workshops are at school and also at Lacon Childe School - sometimes involving collaboration with other schools.



SCIENCE WEEK - This is a great opportunity for children to get involved in activities from the NFU, Space Exploration and Antarctic Research Centre. In March 2023, the whole school have worked like scientists to learn more about this year's theme "Our Diverse Planet". We learned about a wide range of famous scientists and the way in which they changed the world and thought about ourselves as scientists. We ran whole school experiments in assembly time and watched live-streamed shows from all over the world! In 2024, the theme will be "Time".

8-17 March
British
Science
Week
2024





FOREST SCHOOL & THE SCHOOL POND - As part of our Forest School lessons, we explore the local environment, consider changes to weather and seasons, explore habitats, observe wildlife, create things with natural materials etc all of which enhance the experiences children have to understand fundamental scientific concepts.

TRIPS AND EXPERIENCES - Trips and experiences can really enhance a curriculum and through practical 'hands on' experiences the children can develop a real love of science.



SMSC & BRITISH VALUES

SMSC	
Spiritual	<ul style="list-style-type: none"> • Looking for meaning and purpose in natural and physical phenomena • Wonder about what is special about life • An awareness of the scale of living things from the small micro-organism to the largest • The interdependence of all living things and materials of the Earth. • Emotional drive to know more and to wonder about the world • Wonder at the vastness of space and the beauty of natural objects
Moral	<ul style="list-style-type: none"> • Pupils to become increasingly curious • Development of open mindedness to the suggestions of others • Scientific developments may give rise to moral dilemmas • Considering the environment

Social	<ul style="list-style-type: none"> • Group practical work • Team working skills and to taking responsibility • Taking responsibility for their own and other people's safety • Understanding that science has a major effect on the quality of our lives • Consider the benefits of scientific developments and the social responsibility involved
Cultural	<ul style="list-style-type: none"> • Scientific discoveries as a part of our culture • Scientific discoveries of other cultures • Scientific discoveries by a wide range of men and women in many different cultures • Environmental issues are central to science.

British Values in Science	
Democracy	<ul style="list-style-type: none"> • Within Science lessons, take the views and opinions of others into account • Take turns and instructions from others
Laws and Rules	<ul style="list-style-type: none"> • Understand the importance of safety rules when working scientifically • Know that there are consequences if rules are not followed
Individual Liberty	<ul style="list-style-type: none"> • Make choices when planning an investigation • Others may have different points of view as to where to start
Mutual respect and tolerance of those with different faiths and beliefs	<ul style="list-style-type: none"> • Work as a team • Discuss findings • Offer support and advice to others • Scientific discoveries have come from other cultures • Religious beliefs often compete with scientific understanding

