

# Project Pioneers

## Camblesforth CP School

Through 'Project 'PIONEERS' we seek to inspire and enthuse children to be the scientists of the future. The key areas of focus in the first year relate to Power, Industry, Outdoors, Nature, Energy, Environment, Research. These have been selected to further develop existing links with local industry and raise the profile of the school's enthusiastic Eco Group.



A key aspect of the project will be to develop the school's outdoor environment to create a variety of habitats, including a 'Forest School' area, weather station, wildlife garden and pond. In addition



to this, pupils will also be involved in the creation of science explorer kits. By providing additional opportunities for scientific investigation at break times and after school, pupils will be given exciting contexts in which they can apply and extend their scientific knowledge and skills. In so doing, the pupils will have opportunities to practise key scientific skills such as selecting and using equipment appropriately, planning simple tests and refining these according to their results. Through having opportunities to discuss their observations with pupils from different age groups, and by working collaboratively, they will be able to support and challenge one another's ideas in order to refine their own scientific thinking. This will also benefit their social development and help them to become resilient, motivated and persistent learners.

By working in partnership with a local power station, pupils will be able to explore the links between science and industry alongside the company's expert 'Science Ambassadors'. By combining this with the work of the school's active 'Eco group', the children will begin to recognise the challenges of balancing the need for energy with issues relating to the environment. Visits to the Power Station will provide pupils with the opportunity to compare and contrast the company's Nature Reserve with the more industrial features.

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Through the creation of a pupil science group, children will be given real opportunities to lead the project and take an active part in planning, developing and improving provision for present and future pupils at the school. By working in partnership with colleagues from other schools, we aim to create a model of excellence which can be shared beyond the school's immediate context.

The development of enthusiastic, confident, knowledgeable learners is a key aim and this applies to both pupils and adults within school. The termly 'whole school science topic' will include professional development opportunities for staff, exciting events for pupils, and opportunities to work in partnership with industry and other schools.

We are very excited about the possibilities which 'Project Pioneers' offers in terms of raising achievement in Science. We see this, not as a one year project, but as the beginning of a journey towards excellence in STEM subjects which will benefit pupils both within, and beyond, the immediate school setting.



Thank you for helping Camblesforth Pupils to be the Scientists of the Future!