



Provision for SEN and more able in Science

Introduction:

Incorporating the school values of inspire, challenge and achieve is central to the delivery of Science at Westacre. Our curriculum has been designed to ensure every learner is challenged, and inspired, through the acquisition of subject knowledge and practical investigations. Children are given opportunities to apply and develop a broad range of scientific skills, learn how to use them in different ways and to link them to the world in which we live.

SEN

Provisions are made to ensure all learners are able to access the curriculum and work towards achieving the traits expected of our Scientists when leaving Westacre.

Children are supported in accessing the curriculum by the use of appropriate scaffolding. Examples of this include using planning templates when planning and conducting investigations, or differentiating the outcome of a task.

iPads and laptops are available for children who had difficulties in explaining their ideas in writing, so they are able to use the 'speech to text' function on these devices.

As Science is linked to Mathematics in many ways, the same provisions are provided as with Mathematics, whereby children may be asked to present their findings using different methods or graph templates are provided.

Prior to new topics being taught, children are given an opportunity to learn more about the topic beforehand, via pre-teach sessions, to ensure they have some knowledge of what they will be learning about.

Investigations are often carried out as groups, which allows children to learn together and from each other. Children may feel more comfortable discussing misconceptions with their peers than with adults in the classroom, allowing them the freedom to discuss their ideas openly. Teaching staff address any misconceptions a whole group may have.

Feedback is provided to children on an individual basis which will allow each and every student to move on.

More able

Deep tasks are designed to encourage children to challenge theories and hypothesize what may happen if conditions were changed; Gifted and Talented children use their knowledge and understanding to complete these tasks using their knowledge and understanding to justify their responses.

Children are given opportunities to visit Droitwich High School.