



## Pinehurst Curriculum Support for SEND: Science

At Pinehurst Primary School, we are committed to providing an inclusive Science curriculum that is accessible, engaging, and tailored to meet the individual needs of all pupils, including those with SEND. We believe that every child should have the opportunity to explore, investigate, and develop their scientific understanding in a supportive environment.

### How We Support Pupils with SEND in Science

Our curriculum is designed to foster curiosity, understanding, and practical skills through high-quality, differentiated teaching and strategic support. We aim to ensure that all children develop confidence in scientific enquiry and are able to make progress regardless of their starting points.

<u>Quality First Teaching &amp; Differentiation</u>  Science lessons are planned with clear, achievable objectives, which are shared visually and verbally to support comprehension.  Tasks are differentiated to suit individual needs, with scaffolds such as simplified instructions, visual prompts, and adapted resources.  Practical activities are tailored to support physical and sensory needs, including the use of adapted equipment and tactile resources.	<u>Physical and Sensory Needs</u>  Hands-on experiments use tactile and adaptive materials, such as textured models or enlarged equipment, to support sensory processing.  Tasks are broken into small, manageable steps, with regular breaks to support sensory regulation.  Visual aids, such as diagrams, models, and labelled pictures, are used extensively to support understanding and recall.
<u>Cognition and Learning</u>  Links to prior knowledge are explicitly made through questioning, retrieval activities, and visual displays.  Visual supports like charts, mind maps, and graphic organisers help children process and organise scientific information.  Clear, predictable lesson structures with visual and verbal cues help pupils	<u>Communication and Interaction</u>  Diagrams, videos, and pictorial supports are used to add meaning and clarity to scientific concepts.  Pupils are encouraged to demonstrate understanding through various means, such as modelling, drawing, or digital presentations.



## Pinehurst Curriculum Support for SEND: Science

At Pinehurst Primary School, we are committed to providing an inclusive Science curriculum that is accessible, engaging, and tailored to meet the individual needs of all pupils, including those with SEND. We believe that every child should have the opportunity to explore, investigate, and develop their scientific understanding in a supportive environment.

### How We Support Pupils with SEND in Science

Our curriculum is designed to foster curiosity, understanding, and practical skills through high-quality, differentiated teaching and strategic support. We aim to ensure that all children develop confidence in scientific enquiry and are able to make progress regardless of their starting points.

understand expectations and sequence their learning.	Pre-teaching of scientific vocabulary ensures pupils are prepared to access new content confidently.
<u>Social and Emotional Needs</u>  Opportunities for collaborative experiments and discussions are embedded to promote social skills and confidence.  Visual signals, timers, and structured routines support transitions and reduce anxiety during practical activities.  Quiet spaces and alternative activities are available for pupils who require calm environments.	<u>Specific Strategies</u>  Pre-Teaching and Vocabulary Development: Key scientific vocabulary is introduced before lessons, with visual and kinaesthetic supports to aid understanding.  Use of Visual and Tactile Resources: Physical models, labelled diagrams, and tactile materials support engagement and comprehension.  Adapted Practical Activities: Practical experiments are scaffolded and adapted to meet individual sensory and physical needs.  Assistive Technologies: Digital tools, voice recording, and visual prompts support pupils who benefit from additional aids.  Ongoing Monitoring & Feedback: Continuous assessment ensures that support is personalised and pupils make sustained progress.