

Science  
Supporting children with SEND

Cognition & Learning		Communication & Interaction	
Barrier	Steps to Support	Barrier	Steps to Support
<p>Struggles to read</p> <p>Retaining information/meaning of vocabulary</p> <p>Literacy skills – ability to read information e.g. in atlas, difficulties with writing</p> <p>Following instructions</p> <p>Retaining scientific skills and concepts</p>	<p>Paired work</p> <p>Pictures to support concept and steps in experiments</p> <p>Teacher to read and/or scribe</p> <p>Videos to explain concept</p> <p>BBC Bitesize</p> <p>Vocabulary with visuals</p>	<p>Struggles to answer questions straight away</p> <p>Difficulties in following multi step instructions</p> <p>Managing to access learning</p> <p>Struggling to access the beginning of the lesson</p>	<p>Give extra thinking time</p> <p>Partner talk</p> <p>Mixed ability partners</p> <p>Record experiment on ipad or voice recording instructions</p> <p>Use pictures and representations and manipulatives to support.</p> <p>Work with adult target group.</p> <p>Mini plenaries to assess new learning and intervene where necessary.</p> <p>Visual now and next boards</p>
Physical & Sensory		Social, Emotional & Mental Health	
Barrier	Steps to Support	Barrier	Steps to Support
<p>Experiments – not liking to touch certain objects</p> <p>Noise in experiments</p> <p>Experiments when physical</p> <p>Fine motor skills – poor muscle memory. Poor letter formation.</p>	<p>Alternative resources which do not trigger sensory response</p> <p>Ear defenders</p> <p>Using gloves</p> <p>Visual stress test to support with colour preferences.</p> <p>Visual support for concepts.</p> <p>Manipulative resources to support.</p> <p>Talk Book or Speech Link</p>	<p>Fear of getting it wrong</p> <p>Low self esteem</p> <p>Low resilience</p> <p>Poor concentration skills</p>	<p>Positive praise/reinforcement</p> <p>Work with range of peers e.g. LA/HA to share ideas and writing up of experiment</p> <p>Small steps to success</p> <p>Reminders on the table and in books</p> <p>Visual reminders</p> <p>Paired work with a more able child</p> <p>Brain breaks</p>

Science  
Supporting children with SEND

<p>Hearing impairment causes concept to not be heard correctly.</p> <p>Speech delay or delay in understanding of concept</p> <p>Dyslexia/Dyscalculia</p>	<p>Use of technology to support physical writing</p> <p>Use of scribe</p> <p>Handwriting model on table</p>		<p>Calming music</p> <p>Regular emotional check ins</p> <p>Sensory activity</p>
--	---	--	---