



SEND in my subject area: Science

What is in place in your subject area for teaching that subject to children with SEND

Cognition and Learning		Communication and Interaction	
Subject Challenges for SEND	Provision for SEND	Subject Challenges for SEND	Provision for SEND
Literacy difficulties	Use of topical word banks and picture cards to aid understanding and explanation of scientific processes (Inprint Word Vocabulary Mats) Individual access to the above during activity Adult to scribe during group work / paired working Alternative recording method (mind map, video, photographs, poster, pictorial/mark making, ipad, adult scribe, journaling technique) Adult support, peer support (mixed ability pairing supports) Pre-teach activities Clicker access	Difficulties using language / expressing themselves Difficulties with processing language /following instructions	Sentence starters / modelled language. Stem sentences / repetition Partner talk My turn-Your turn Opportunities to present ideas in different ways other than verbal e.g. pictorial, written, diagram Simplified step by step instructions. Chunking. Pictorial prompts Model - do Time to formulate information / answers. Additional time given to complete tasks
Numeracy difficulties			

Retaining information / meaning of vocabulary	<p>Think how data tables can be created differently - e.g. pictograms</p> <p>Use of mathematical equipment / resources available in Science lessons</p> <p>Bring abstract concepts to life through concrete resources and comparisons</p> <p>Retrieval questions to start lessons</p> <p>Revisit vocab from previous sessions</p> <p>Word banks - involve children in selecting words and removing them when confident</p> <p>Make links between vocabulary in lessons and other curriculum areas</p> <p>Pre-teach vocabulary</p> <p>Provide worked examples to use as a model during independent working</p>		Time to formulate information / answers. Additional time given to complete tasks
Physical and Sensory		Social Emotional and Mental Health	
Subject challenges for SEND	Provision for SEND	Subject Challenges for SEND	Provision for SEND
Children with fine motor difficulties	Usual supports must be available: pencil grip sloping board	Children who struggle to maintain attention	Fast paced lessons, model and do approach to teaching, use of interactive resources

	<p>writing frames scaffolds scribe journaling cut up sentence Clicker access</p>		<p>Investigative activities Give roles during group work - allow child to be the 'expert' at times Opportunities to move - give out books, maps etc Non-verbal reminders Seating plans Brain Breaks</p>
<p>Children with gross motor difficulties</p>	<p>All children must be able to access a planned activity / field trip with their normal support available</p>	<p>Children who have difficulty with transitions and routines</p>	<p>Advance preparation for how the lesson will run Now and next strategy Advance preparation for practical / field work - ensure they are aware of the location and feel supported by a familiar adult</p>
<p>Children with hearing difficulties</p>	<p>Seating plan - ensure children are seated where they can hear and see the adult Picture prompts Adult check ins Adult repeat back other children's answers that may not be heard</p>	<p>Difficulty working with others / sharing resources</p>	<p>Adult modelling and facilitation Use of timers to signify turn ending and beginning/Use of now & next Access to individual equipment</p>
<p>Children with visual difficulties</p>	<p>Seating plan - can they see the board? Enlarged resources</p>		