



Individual Need	Strategies to promote inclusion
Attention Deficit	A range of practical activities at their heart of every unit – if a child
Hyperactivity Disorder	needs support for this, an adult or peer will be available.
(ADHD)	• Praise positive behaviour at each step to encourage low self-esteem.
	<ul> <li>Ensure clear instructions are given throughout the lesson.</li> </ul>
	<ul> <li>Provide brain breaks/movement breaks as appropriate.</li> </ul>
	• Ensure step by step instructions are given, so each child knows what part
	of the lesson they are working on.
	Clearly model scientific equipment and allow time for children to explore
	to avoid distractions and aid understanding.
	Check safety procedures are understood.
Autism Spectrum	Depending on the child and their specific needs, children on the Autism
Condition (ASC)	Spectrum may benefit from:
	<ul> <li>Group work (they may be given a role within the group that they have</li> </ul>
	chosen or can observe)
	<ul> <li>One-to-one TA support – children can complete the experiment with</li> </ul>
	tailored support
	Preparation if there will be loud noises/mess etc Being allowed to meet
	their own sensory needs eg: wash hands/give themselves distance if
	required
	<ul> <li>Use annotated photographs as evidence – scribe if needed</li> </ul>
	<ul> <li>Use a visual timetable so the child knows what is happening at each</li> <li>stage of the session (day)</li> </ul>
	<ul><li>stage of the session/day.</li><li>Avoid changing seating plans.</li></ul>
	<ul> <li>Ensure outcomes are clear, with a clear end point to the lesson, so children know when they have reached this.</li> </ul>
	<ul> <li>Use simple, specific instructions that are clear to understand.</li> </ul>
Dyscalculia	The most challenging element for dyscalculia in science is recording
Dystateana	quantitative accurately. To help we will:
	<ul> <li>Differentiated quantitative data to analyse.</li> </ul>
	<ul> <li>Give the child a pre-made graph with some data already completed.</li> </ul>
	<ul> <li>Have a range of ways to show their learning including: photographs,</li> </ul>
	diagrams, labels to stick onto pictures, worksheets, posters,
	presentations (oral and visual), working in groups, verbal contributions,
	practical experiments and observations, matching activities etc.
Dyslexia	When using the interactive whiteboard, use light, pastel coloured
	background to avoid black text on a white background.
	• Any printed resources will be on pastel coloured paper, avoiding black
	font on white paper.
	<ul> <li>Individual coloured overlays used by pupils as necessary when reading</li> </ul>
	texts aloud.
	<ul> <li>Use simple, specific instructions that are clear to understand.</li> </ul>
	Pre-teach vocabulary linked to science that will help the child to succeed
	in the lesson.
	<ul> <li>Differentiate the learning objective so that the child understands what is</li> </ul>

	being asked of them.
	<ul> <li>Model how to use science tools before setting the work.</li> <li>Label equipment with symbols and words where appropriate</li> </ul>
Duenneuie	Label equipment with symbols and words where appropriate.
Dyspraxia	<ul> <li>Give opportunity for working in groups to allow children to work to their</li> </ul>
	strengths.
	Experiments will be adapted to allow access to all.
	<ul> <li>TA/Teacher/Peer support will be given where required, especially during practical activities.</li> </ul>
Hearing Impairment	Adults will discretely check that the child is wearing their hearing aid if
	required.
	<ul> <li>A discussion will take place between the adult and child so that the child is able to choose where they sit/where is best for them to access the</li> </ul>
	learning within the classroom environment.
	<ul> <li>Background noise will be minimised and the classroom will be a quiet, calm environment.</li> </ul>
	<ul> <li>Provide written and pictorial instructions.</li> </ul>
	<ul> <li>Allow discussion and sharing of ideas to build verbal skills.</li> </ul>
	<ul> <li>Have group members face the child when sharing.</li> </ul>
Toileting Needs	<ul> <li>Children will be able to leave and return to the classroom whenever</li> </ul>
Tolleting Needs	necessary.
	<ul> <li>A seating arrangement will be made so that the child can enter and leave</li> </ul>
	the classroom discretely.
	<ul> <li>Encourage children to use the toilet before starting a scientific</li> </ul>
	experiment.
	<ul> <li>Staff to follow guidance in pupil's intimate care plans.</li> </ul>
Cognition and Learning	<ul> <li>Differentiated learning activities to suit children's cognition and learning</li> </ul>
Challenges	abilities.
enerren.geo	<ul> <li>Total recall activities and low-stake quizzes are used frequently to</li> </ul>
	develop cognition and learning in art and promote a deeper
	understanding of skills.
	<ul> <li>We will allow for a range of ways for children to explain an</li> </ul>
	experiment/results including in words, pictures, comparisons to real-life
	situations and contextualisation.
	• We will have a range of ways for children to show their learning
	including: photographs, diagrams, labels to stick onto pictures,
	worksheets, posters, presentations (oral and visual), working in groups,
	verbal contributions, practical experiments and observations, matching
	activities etc.
	• Recognise that the language of science may be challenging for many
	children
Crease la la companya de la companya	• Provide instructions that are clear, concise and match the language of
Speech, Language &	the child, delivering these instructions slowly.
Communication Needs	Use a visual timetable where necessary.
	Use visuals on resource lists.
	• Language is purposefully kept simple and consistent throughout the
	sessions.
	• Clear language is used to model and expand what has been said.
	• Plenty of opportunity is given to communicate ideas in a small group.
	<ul> <li>Any attempt to communicate is responded to positively.</li> </ul>
	<ul> <li>Depending on frequency and severity of tics, some experiments may</li> </ul>
Tourette Syndrome	need to be adapted to accommodate spillage and experiments will be
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	carefully supervised.
	<ul> <li>Adults will listen and respond to the child with support and</li> </ul>
	understanding.
	• A structure will be provided (check list) to support the learning taking
	place, this will be differentiated to the activity and include the main
	elements needed to aid the child's attention.
	• There will be an understanding that the activity may not be completed.
Social, Emotional and Mental Health	• A child's previous background in trauma or anxiety can stop learning in
	science due to associations e.g. sights, smells, textures etc.
	• We will prepare the child regarding any of the senses if the experiment
	has the potential to trigger them.
	• We will allow the child to observe rather than participate if needed – in
	group work, this could be allowing them to scribe, give instructions etc.
	to be involved in the experiment without handling the
	ingredients/equipment.
	Children are prepared prior to the science lesson – instructions for
	carrying out the experiment are given, and children are talked through
	the steps, predictions are discussed beforehand, and children are
	prepared for any reactions/noises.
Visual Impairment	• Familiarise the child with the equipment being used beforehand – let
	them feel the equipment and create an image in their mind.
	Discuss the experiment beforehand and prepare the child for any
	noises/textures.
	• The child will complete the experiment with support given by TA/teacher
	as needed.
	We will provide a range of ways to show their learning including:
	photographs, diagrams, labels to stick onto pictures, worksheets,
	posters, presentations (oral and visual), working in groups, verbal
	contributions, practical experiments and observations, matching
	activities etc.
	• We will explain the representation to the child and scribe responses to
	experiment, predictions beforehand etc.