Adaptations for Maths	
Cognition and Learning	
Information may not be understood or retained Accessing and understanding multi-step problems Memory- consolidation skills	Retrieval practice to support/refresh previous learning Explicit link and reactivation of prior learning as 'way in' to
	new learning. • Pre-teach new concepts and key knowledge. • Show the focus of each lesson and how it fits in the sequence of lessons. How do lessons link together to develop knowledge?
	 Use symbols, images or objects to make it more accessible. Referring to working wall. Use of concrete, pictorial and abstract learning Adapt pace of delivery to processing speeds. Mixed-ability pairings to support discussion.
	 Use of stem sentences Worked examples used to support and remind
Communication and Interaction Barriers Provision	
Understanding mathematical language Understanding mathematical concepts Understanding abstract concepts Processing multistep problems	Recognise that the language of Maths may be challenging for many children – for example: The specific scientific use of everyday words such as 'square', or terms specific to maths, such as 'fraction'. • Pre-teach key vocabulary, then ensure multiple and regular exposure to these words including referring to knowledge organisers and make them clearly visual in the classroom environment. • Label equipment with a symbol and word (dual coding) • Explicitly teach the meaning of key mathematical vocabulary in lessons. • Provide flashcards with key vocabulary – with visual cues. • Check children's understanding by inviting them to reformulate reasoning in their own words or in other ways. For example, after articulating 3x5=15, reference to repeated addition, use of number line etc • Use real objects as a starting point for developing the concepts and the language needed to describe, discuss and explain what pupils have observed or experienced. • Give children time to process and formulate their answers to questions before responding. • Use of manipulatives. • Use of worked examples and sharing these with pupils as a frame. • Provision of x-table squares to support pupils in conducting
Sensory and/or physical	calculations. • Chunking up word problems and supporting pupils to identify steps in multi-step problems.
Difficulties impacting eyesight, hearing, movement, touch etc. Sensory processing difficulties.	 Label new equipment and processes to help develop vocabulary. Use of concrete manipulatives to support e.g. Numicon. Choice and size of font. Consider children hard of hearing when reading aloud, sit them in front of you so they can see your face. Consider pupil sensory audits and adaptations. Use of technology including iPads and laptops. Use of concentration aids.

	Finger-strengthening exercises.	
Social, Emotional and Mental Health		
Barriers	Provision	
Anxiety	Targeted question – consider in whole-class or group discussion supporting pupils to participate by asking low-threat	
Participation/ safety/ practical work	questions you know they can answer to foster confidence to contribute. • Consistency of approach reduces children's anxiety - it allows children to predict what will happen. Provide an overview of the lesson elements so the children know what is coming, pre-teach the child some of the elements of the lesson etc. • Consider groupings – prepare the children by ensuring they are aware of the group they will be working in. Assign roles to each member of the group with a clear outline of job roles. • You may need to specifically teach the skills of cooperation and interaction for practical work.	