

High Hazels Academy Supporting SEND learners across the Curriculum

Focus area: Maths

Curriculum considerations for children across all areas of SEN in Maths			Additional enhancements
 Pedagogy and content adapted to meet the child's needs. For those working more than 2 years behind adapted sequencing/basic skills focus time delivered to fill gaps. 			-Same day corrective teaching. -Birmingham toolkit gap filling -Repetition of basic skills linked to BTK
Key Learning Challenges: Understanding scientific vocabulary Understanding instructions. Understanding instructions for tasks.	 Communication and Interaction Breaking down instructions into small chunks, Providing visual reminders of instructions. Pre teaching new vocabulary prior to lessons. Sending home key vocabulary on word mats prior to a unit of work. Vocabulary mats with visual prompts. Giving increased processing time for mental calculations (10 second rule, I will come back to you later'). Scaffolding language around mathematical reasoning 'I think the answer means' 	Key Learning Challenges: Recalling previously taught knowledge. Working memory Understanding scientific vocabulary. Difficulty writing down ideas/explanations Difficulty explaining their ideas	 Learning and Cognition Pre teaching of mathematical vocabulary. Coloured paper/overlays Vocabulary mats with visual prompts. Additional concrete resources Pre teaching of key concepts Provide visual prompts for each small step. Regular review of key skills. Alternative methods of recording – photos, videos, Ipad Use of visuals/reduced language to explain learning Alternatives to written answers to show understanding – multiple choice, circling answers, drawing the answer, sticking/Velcro, matching Scaffolding language around reasoning.
Key Learning Challenges: Likely to have gaps due to missed learning. Difficulties around concentration/task completion.	 Social, emotional and mental health Using task planner/task chunking. Time framing/use of timers/ target number of questions. Check ins Checking understanding/ small group/individual modelling Visual prompts When modelling encourage learners to make jottings or draw each step out on to a whiteboard. Incorporate some questions which appeal to their interests. 	Key Learning Challenges Being able to read the text/ questions/board. Being able to hear the teaching/instructions	Physical and Sensory Enlarged questions. Use of coloured paper/overlays Seated near the front of class. Use or radio aids by teacher/pupil (as advised by HI service). Alternations to texts (as advised by vision service).

EYFS Example	KS1 Example	KS2 Example
 Use of manipulatives Adapted/ larger manipulatives used for those with less developed fine motor skills. 	 Number of the day to embed key place value skills One small step introduced per lesson Increased use of manipulatives and pictorial representations Increased use of worksheets to reduce cognitive load Increased opportunities to for repeated practice of a new skill 	 Number of the day to embed key place value skills One small step introduced per lesson Increased use of manipulatives and pictorial representations Increased use of worksheets to reduce cognitive load Increased opportunities to for repeated practice of a new skill
What does this look like in practice? (pictorial exam LO: To add numbers to 10 using objects (practically). IV/@ LO: To idem objects. (1-) IV/@ Vorking practical Vorking practical Vorking practical IV/@ Vorking practical Vorking practical Vorking practical Vorking practical	ples)	unberbonds Une number bonds to complete the additions The first one hos been done for you.

Use of manipulatives

