What will you see? (Barriers)	What can help?
Maths - General	(Strategies and provision)
CYP may have difficulty with:	Start with opportunities for success
Remaining focused or motivated when learning in maths	Understand the specific barriers and strengths of le
Learning new mathematical skills	Chunking, colour-coding, highlighting, regular revisearning points
Making progress in their maths learning	Opportunities to consolidate learning through play
Sharing their thinking around maths tasks with peers or adults	Access to worked examples and read world examp
Using or applying mathematical concepts	Allow the CYP to talk through their learning and the learning and
Sense of number and estimation	Reinforce understanding of maths using 'hands-on diagrams and models
Keeping up with the pace of learning	• Follow Concrete, Pictorial, Abstract sequence of lead introduce new concepts
High levels of anxiety within the maths classroom	
Mental arithmetic skills	
Basic understanding of quantity	
Understanding Base-10	
The four operations of addition, subtraction, multiplication and division	
Recording operations using written methods	
Difficulty understanding specific concepts such as fractions, ratio, percentages, time and money	
	Resources:
	· Dyscalculia toolkit resources Products – Dyscalculi
	· Bradford Primary Maths Toolkit
Reading skills in maths	
CYP may have difficulty with:	
Reading mathematical questions	 Provide key words and sentence frames to sup discussion around maths
Reading maths at a pace that is line with peers	Peer reading support for language heavy ques
Understanding and using new mathematical language	Use of visuals and actions to support the intro of new mathematical vocabulary and concepts. Allow time, chunk and colour code steps in a problem
Remembering longer mathematical questions	Use a large red decimal point and make it obv
Using decimal points and place value	Print tables in a different colour or highlight the second colour or highlight the secon
Reading or 'seeing' vertical tables	
Memory and speed of working in maths	
CYP may have difficulty with:	

• Remembering sequences of numbers and therefore times tables	Carefully choose language and length of verbal instruction. Encourage highlighting and chunking. Present information in a multisensory way
 Remembering words for symbols and the procedure the symbol represents 	• Teach times tables in a multi-sensory way with colour, rhyme, music finger tables
• Remembering where to begin in a page and presenting work in an organised way	Teach each symbol in a multi-sensory way with physical movement and memory cards and on active displays
• Finishing work in the given time scale	Discuss page size, model examples and use larger squared paper or mark where to start
 Answering independent or confidently and they may need lots of checking from adults or peers 	Practice 'against the clock'/sand timer in fun ways. Allow more time, allow time for discussion before timed tasks
Managing stress when working in time pressures	Develop estimation skills so that they can be more confident with their answer when comparing to an estimate
	Lots of opportunities to work in timed situations with limited pressures
Directional confusion in maths CYP may have difficulty with:	
	Use a marker to help pupil start in the right place, prompt and sit with peers
CYP may have difficulty with:	
 CYP may have difficulty with: Using left and right Mathematical language such as prepositions 	and sit with peersUse physical movement to demonstrate direction, signing
 CYP may have difficulty with: Using left and right Mathematical language such as prepositions (above, below) horizontal, vertical, diagonal Reading from and recording on tables, charts and 	 and sit with peers Use physical movement to demonstrate direction, signing or communication in print Colour code axes and column, row headings, use an L-shaped piece of card to read from tables/ use direction
 CYP may have difficulty with: Using left and right Mathematical language such as prepositions (above, below) horizontal, vertical, diagonal Reading from and recording on tables, charts and 	 Use physical movement to demonstrate direction, signing or communication in print Colour code axes and column, row headings, use an L-shaped piece of card to read from tables/ use direction arrows on graphs and colour code co-ordinates
 CYP may have difficulty with: Using left and right Mathematical language such as prepositions (above, below) horizontal, vertical, diagonal Reading from and recording on tables, charts and 	 and sit with peers Use physical movement to demonstrate direction, signing or communication in print Colour code axes and column, row headings, use an L-shaped piece of card to read from tables/ use direction arrows on graphs and colour code co-ordinates Resources Access to concrete resources (an' enable table')

Cuisenaire Company