

Hamilton Academy Numeracy Catch Up Plan 2018-19

There are **78** students in year 7 who scored a scaled KS2 score of 100 or less in English (or whose retrospective SAT score produced by CAT testing was less than 100), representing **39.5%** of the cohort. All of the strategies described in the plan below are aimed at accelerating the progress of these students so that their attainment across KS3 will be in line with their peers.

Evidence of progress will be measured through in both summative and formative in class assessment and using GL Assessments annual progress tests.

Cohort Profile: 79 students	In cohort based on CAT data: 25
Gender Female: 38 Male: 41	Disadvantaged pupil premium: 36 Not pupil premium: 43
English as Additional Language: 36 New to English: 10	Special Educational Need: 22 SEN K: 22 SEN E: 1

Group	Staff	Number of students
7A1	SGR	0
7A2	SMD	0
7A3	MRY	16
7A4	TSH	22
7B1	SGR	0
7B2	SMD	1
7B3	MRY	20
7B4	TSH	19

Strategy:

Development of new schemes of learning that will support catch up students with the rigours of the new curriculum with its emphasis on problem solving, reasoning and fluency. Catch up students will follow a bespoke curriculum which focuses on mastering key concepts.

Cost: £1800 (5 faculty meetings, 8 teachers at £45/hr)

Measuring impact: SoL regularly reviewed. Learning walks and book looks show evidence of SoL being implemented.

Strategy:

MathsWatch package used to promote independent learning skills and support students in their understanding of key concepts. This online resource containing video tutorials, interactive questions and worksheets on mathematical topics and will be used both inside and outside the classroom.

Cost: Mathswatch is funded by the EIP

Measuring impact: View completion and success of tasks using the teacher analysis tool.

Strategy:

Use of Numeracy Ninjas package in tutorial to develop recall of numerical facts and fluency of four operations. Pupils in Year 9 – 11 are encouraged to support students identified as requiring support.

Cost: Free

Measuring impact: Tutorial walk-throughs and booklet sampling to see progress over the year.

Strategy:

Professional development sessions for staff, including TAs, to train them in the use of Numicon and other visual representations strategies to support target catch up students.

Cost: £185 (train 10 TAs at £14/hr, £45 for N Coordinator time)

Measuring impact: Learning walks and book looks show evidence of strategies being used in lessons.

Strategy:

PD sessions for staff on the KS2 curriculum, NCETM Primary resources, misconceptions in mathematics, and scaffolds that can be used to best support LA students.

Cost: £720 (2 faculty meetings, 8 teachers at £45/hr)

Measuring impact: Learning walks and book looks show evidence of strategies being used in lessons.

Strategy:

Use of Times Tables Rockstars to promote times table knowledge and recall. The online software has diagnostic features that establish areas of weakness and focusses on these specific facts. A structured timetable put in place for in class use, and independent work rewarded.

Cost: £850 for subscription and for prizes and rewards

Measuring impact: Engagement and use of student data analysis tool regarding performance.

Strategy:

Question level analysis of KS2 SAT papers and analysis of GL assessment data will be used to inform teaching of catch up students, using this data to identify and close gaps in knowledge and understanding.

Cost: £150 (3 hours of HoF time, £50/hr)

Strategy:

Numeracy coordinator will develop numeracy across the curriculum and ensure that faculties such as science, design and technology and geography use common strategies and language for tasks such as graph drawing and analysis, measurement and calculation.

Cost: £7272 **include Recruitment + Retention?**

Measuring impact: review each faculty's curricula, analyse feedback from learning journeys, observe teachers using strategies

Strategy:

Dedicated TA time for half the school week to run intervention and support maths lessons to facilitate the learning of catch up students.

Cost: £11139 (1/2 TA salary)

Measuring impact: analysis of progress of catch up students