



Year 7 Numeracy Catch Up Strategy 2019-20

Background

There are 44 out of 235 pupils in year 7 who scored a scaled KS2 score of less than 100 in mathematics, representing 19% of the total year 7 cohort. All of the strategies described are aimed at accelerating the progress of these pupils so that attainment at the end of year 7 will be more closely aligned to their peers. Evidence of impact will be measured mainly through termly tracking data, together with other measures outlined. The percentage of the cohort on track to attain grade 4 will be determined at the end of year 7 and tracked through years 8 and 9. Of these 45 year 7 pupils in the Numeracy catch up cohort, 40 are also in the Literacy catch up cohort, representing 89% of the Numeracy catch up cohort.

KS2 < 100

44 pupil out of 235 representing 19% of the cohort

Profile

Catch up cohort	Number	Percentage of total cohort
Number in cohort	44	
Gender		
F	15	34%
M	29	66%
Disadvantaged		
DA	20	29%
Non DA	24	71%
Specific needs		
SENK	19	43%
SENE	1	2%
MIDYIS Maths band		
MIDYIS MA BAND D		
MIDYIS MA BAND C		
MIDYIS MA BAND B		
MIDYIS MA BAND A		
MIDYIS MA BAND No data		
KS2 Band		
LA	33	75%
MA	11	25%
HA	0	0%

Pupils by group

Group	Staff	Number of pupils
7M3	SMA/RVA	5
7A1	RVA	11
7A2	SMA	15
7A3	SMA/THA	13

Total 45

Strategy	Actions	Academy Development Plan Link	EEF Toolkit Reference	Cost	Lead	Measuring Impact
Ability grouping from the start of term, based on assessment data.	Science sets will be based on KS2 Mathematics data and MIDYIS, using TMET (RMA) target setting policy. All groups will be taught the same curriculum map, but it will be adapted by the Curriculum Leader to ensure it is appropriate for Catch-up pupils so as it has an embedded focus on catching up key numeracy skills. This also means that Catch-up pupils benefit from reduced class sizes and hence additional teacher support in lessons.	QE9: assessment	Setting or streaming (-1 month)	-	THA	<ul style="list-style-type: none"> Lesson observations of the Catch-up classes. Book trawls and work sampling. Assessment data analysis shows proportion of Catch-up pupils achieving grade 4+.
Use support staff effectively to assist and intervene with LPA pupils.	Teaching Assistant (BSH) support will be in 7A/Ma3 lessons. BSH also brings strategies from a primary background, so as to help these pupils catch-up. MRU will also plan and resource an intervention programme for our Catch-up pupils, led by the Inclusion Team. This will be on a withdrawal basis, with identified pupils have bespoke and personalised interventions e.g. spelling, handwriting etc.	QE15: SEND	Teaching assistants (+1 month) Small group tuition (+4 months)	-	MRU	<ul style="list-style-type: none"> Observations of intervention sessions. Book trawls and work sampling. Assessment data analysis shows proportion of Catch-up pupils achieving grade 4+.
Homework Club	Targeted support of Homework Club to identified catch-up pupils, so as they complete Mathematics homework with staff support.	QE12: homework and prep	Homework (Secondary) (+5 months)	-	MRU	<ul style="list-style-type: none"> Mathematics homework completion rates of Catch-up pupils.
Prep	Catch-up pupils to be given the opportunity to complete Mathematics homework with staff support.	QE12: homework and prep	Homework (Secondary) (+5 months)	-	THA	<ul style="list-style-type: none"> English homework completion rates of Catch-up pupils.
Diagnostic screening for dyscalculia	Use GL assessments and subsequent Dyscalculia Screener tests to ensure we have a detailed understanding of strengths and areas for development for Catch-up pupils.	QE15: SEND	<i>No direct reference</i>	£3,840	MRU	<ul style="list-style-type: none"> Correct screening of pupils for Dyscalculia, so as support can be put in place.
PL for staff	Teacher and Teaching Assistants to gain expertise in supporting Catch-up pupils, particularly via external CPD that is pertinent to the needs of these pupils.	LM5: CPD	<i>No direct reference</i>	£3,000	CFR	<ul style="list-style-type: none"> Lesson observations of the Catch-up classes. Book trawls and work sampling.

						<ul style="list-style-type: none"> Assessment data analysis shows proportion of Catch-up pupils achieving grade 4+.
Use of manipulatives in Mathematics with catch-up pupils	Faculty collaborative planning meetings to focus on the intent of the curriculum and implementation will be adapted to incorporate the strategies discussed. The use of manipulatives in the classroom will be further developed and linked to scheme of work.	QE1: KS3 curriculum	<i>No direct reference</i>	£815	SMA	<ul style="list-style-type: none"> Lesson observations of the Catch-up classes. Assessment data analysis shows proportion of Catch-up pupils achieving grade 4+.
Additional resources to be given to pupils	Passport to Numeracy packs will be purchased and issued to all Y7 mathematics catch up pupils to be used in lessons and at home.	QE1: KS3 curriculum	<i>No direct reference</i>	£440	SMA	<ul style="list-style-type: none"> Knowledge quizzing of content on Passport to Numeracy packs, to test for understanding, and also the completion rates of this intervention material. Assessment data analysis shows proportion of Catch-up pupils achieving grade 4+.
Numeracy Ninjas and Times Tables Rockstars	7A/Ma2 and 7A/Ma3 have extended use of Numeracy Ninjas in lessons, as part of their Retrieval Practice, and Times Tables Rockstars at home, to practise and hone key number skills.	QE1: KS3 curriculum	<i>No direct reference</i>	£650	SMA	<ul style="list-style-type: none"> Lesson observations of the Catch-up classes. Numeracy Ninjas scores to be tracked. Times Tables Rockstars progress. Assessment data analysis shows proportion of Catch-up pupils achieving grade 4+.
Maths Mastery (White Rose)	To solidify pupil understanding of the basics within Mathematics. This mastery curriculum ensures that pupils build their learning up through a three year cumulative approach to Mathematics.	QE1: KS3 curriculum	Mastery learning (+5 months)	£2500	SMA	<ul style="list-style-type: none"> Catch-up pupils make rapid progress. Lesson observations of the Catch-up classes. Book trawls and work sampling.

						<ul style="list-style-type: none"> Assessment data analysis shows proportion of Catch-up pupils achieving grade 4+.
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Appendix 1: Education Endowment Foundation (EEF) – Pupil Premium Toolkit

The Sutton Trust EEF Teaching and Learning Toolkit is an accessible summary of educational research which provides guidance for teachers and schools on how to use their resources to improve the attainment of disadvantaged pupils.

The Toolkit currently covers 30 topics each summarised in terms of their average impact on the attainment, the strength of the evidence supporting them and their cost.

The EEF Toolkit can be found [here](#).