

Curriculum Area Recovery Addendum

Rationale

Due to the disruption caused by the COVID-19 pandemic, a large part of the school year, including some valuable learning time, has had to be delivered through remote learning practices. This is time that needs to be caught-up and this document will outline the process the curriculum team will take in order to ensure students are caught up by September 2021, or earlier if in an examination year.

Curriculum Area: **Mathematics**

WHAT HAVE THE STUDENTS MISSED DURING THE SCHOOL CLOSURE PERIOD? (WITH REFERENCE TO MATHS CURRICULUM AND EDEXCEL TEXTBOOK)	
Year Group	Summary of what has been missed
7	Foundation Units of Algebra and Similarities with Congruency in Shapes (Chapter 2 and 19)
8	Foundation Units of Perimeter and Area/ Graphs/ Fractions, Indices and standard form (Chapters 8, 9 and 18)
9	Foundation Units of Algebra and Similarities with Congruency in Shapes (Chapter 2 and 19) Higher Units of Graphs, Area and Transformations with Constructions (Chapters 6, 7, 8)
10	Foundation Units of Constructions, Quadratic equations/ graphs, and perimeter/ area/ volume (Chapters 15, 16, 17) Higher Units of Equations/ Circles/ Algebra Higher (Chapters 15, 16, 17)
11	N/A

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12	Large Data set for statistics and Circles (Chapter 5) for Year 12 students (Edexcel)
13	N/A

WHAT ARE YOUR PLANS ON HOW THEY WILL CATCH UP ON THE MISSED WORK? THE FOLLOWING ARE MY RECOMMENDATIONS ON HOW THE STUDENTS COULD CATCH UP/ OR IF NEEDED TO CATCH UP	
Year Group	Summary of how students will catch up in your area
7	<p>The students are able to catch up with the normal time frame given as we have built in additional time at the end of the year for the students to do DIRT/ mastery teaching. During the lockdown, we have been focusing on mastery for our students and ensuring that previous taught units are refreshed in the student's mind. Having mapped our curriculum out for our students during this time, they will be prepared when coming back to school for Maths.</p> <p>In order to identify areas of weakness, we will be using a combination of data: Google meets/ Mathswatch, Mangahigh assessments, Pre lockdown assessment results, GAP analysis of non assessed work and teacher judgement.</p> <p><u>To see where the students are are in terms of their learning</u></p> <p>When the year 7 students return to school in September, they will be slowly assessed with small quizzes to ensure that they have understood the previous unit. These could come in the form of Mathswatch quizzes at home or in class paper quizzes.</p>

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8	<p>The students are able to catch up with the normal time frame given as we have built in additional time at the end of the year for the students to do DIRT/ mastery teaching. During the lockdown, we have been focusing on mastery for our students and ensuring that previous taught units are refreshed in the student's mind. Having mapped our curriculum out for our students during this time, they will be prepared when coming back to school for Maths.</p> <p>In order to identify areas of weakness, we will be using a combination of data: Google meets/ Mathswatch, Mangahigh assessments, Pre lockdown assessment results, GAP analysis of non assessed work and teacher judgement.</p> <p><u>To see where the students are are in terms of their learning</u></p> <p>When the year 8 students return to school in September, they will be slowly assessed with small quizzes to ensure that they have understood the previous unit. These could come in the form of Mathswatch quizzes at home or in class paper quizzes.</p>
9	<p>The students are able to catch up with the normal time frame given as we have built in additional time at the end of the year for the students to do DIRT/ mastery teaching. During the lockdown, we have been focusing on mastery for our students and ensuring that previous taught units are refreshed in the student's mind. Having mapped our curriculum out for our students during this time, they will be prepared when coming back to school for Maths.</p> <p>In order to identify areas of weakness, we will be using a combination of data: Google meets/ Mathswatch, Mangahigh assessments, Pre lockdown assessment results, GAP analysis of non assessed work and teacher judgement.</p> <p><u>To see where the students are are in terms of their learning</u></p> <p>When the year 9 students return to school in September, they will be slowly assessed with small quizzes to ensure that they have understood the previous unit. These could come in the form of Mathswatch quizzes at home or in class paper quizzes.</p>
10	<p><u>In order for the students to catch up, we will do the following:</u></p>

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	<p>The students are able to catch up with the normal time frame given as we have built in additional time at the end of the year for the students to do DIRT/ mastery teaching. During the lockdown, we have been focusing on mastery for our students and ensuring that previous taught units are refreshed in the student's mind. Having mapped our curriculum out for our students during this time, they will be prepared when coming back to school for Maths.</p> <p>In order to identify areas of weakness, we will be using a combination of data: Google meets/ Mathswatch, Mangahigh assessments, Pre lockdown assessment results, GAP analysis of non assessed work and teacher judgement.</p> <p>During the summer, we will be setting a 6 week targeted revision package that allows our students to focus on their weakness on Mathswatch. This is a time tabled program that allows our students to study at their own pace.</p> <p><u>When we come back to school, we can do the following to help support our students:</u></p> <ul style="list-style-type: none"> (1) Intervention before school/ lunch time/ after school as an invite basis only (2) Use of peer mentors in 6F, as well as, external softwares for catch up (3) Use of an additional period 6 for content catch up with a focus on Chapters 15, 16, 17 for both higher and foundation. (4) Use of homework - Use of interleaved homework so that concurrent review could take place both at school and at home with the support of teachers/ guided videos and lessons content for student access.
11	N/A
12	<p><u>When we come back to school, we can do the following to help support our students in Year 12:</u></p> <ul style="list-style-type: none"> (1) Use Up Level software for A level students to catch up and review previous content. This software is free during the summer.

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	<p>(2) Set previous assessments with mark schemes as summer work, giving students an opportunity to achieve mastery by knowing and remembering previously taught knowledge.</p> <p>(3) Use of online resources - TLMaths as a means for students to revise on content</p>
13	N/A

HOW WILL YOU KNOW WHERE INDIVIDUAL STUDENTS ARE IN RELATION TO THEIR LEARNING DURING SCHOOL CLOSURE?

We will be able to assess the students by using Mathswatch which comes with an assessment tool.

These assessments are the perfect basis for us to run mock papers for the students (Year 9, Year 10) so that we are able to form a baseline depending upon our return, however this will be done in small low stakes quizzes for our students.

We have used this time during lock down to review and to help our students achieve mastery with previous taught knowledge. This allows our students to:

- 1 To achieve mastery in previous learnt topic as they are given a second opportunity to approach it with the help and feedback from their teachers
- 2 When school resumes, all students will be at the same starting point without having growing gaps.

FOR THOSE STUDENTS WHO HAVE MADE EXCELLENT PROGRESS DURING THE SCHOOL CLOSURE PERIOD, HOW WILL YOU ENSURE THEY ARE NOT HELD BACK?

We have a MA program that allows students to access the following:

- 1 UKMT challenge questions

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2. Nrich questions for students to complete and challenge themselves while catch up teaching is occurring in some of the year groups
3. Use of Mathswatch/ Manga high to further strengthen and challenge students
4. Students to access open university program on the different categories of Maths for challenge (provided in the key learning grids in all year groups during lock down)

We will ensure that students are not held back as they are allowed to access these material both at home and in lesson time. Teachers will check for understanding in mastery and provide feedback when needed.