

Year 11 Post-Lockdown Assessment Plan – March 2021: Mathematics

Aspect	Details
Course audit	<p>We have taught topics from the KS4 curriculum namely Iterative methods, Surds, Parallel and perpendicular graphs, circle theorems, Vectors, sine and cosine rules, percentages gains, loss and reverse and ratio and proportion as well as compound interest.</p> <p>Pupils are being taught a variety of topics to cover all the key examination questions that repeatedly come up on exam papers. They have been focused lessons that cover key points and give good examples to the pupils in firstly recalling / remembering the topic and secondly consolidating their knowledge.</p> <p>Algebra, Number and Geometry have been the main focus; With the live teaching more was able to be explained and thus pupils produced better quality of work when returned to teacher;</p>
New content	<p>We have covered topics as per new curriculum. The course content has been completed. However, gaps in knowledge will be readdressed through revisiting topics of concern.</p> <p>A full recap of the topics covered in lockdown to make sure pupils are confident going forward with lessons taught in lockdown; Where applicable more problem solving type of questions will be given to pupils to stretch them further as many where accessing work with ease over lockdown period;</p>
Next steps	<p>Use PiXL assessments and therapies relevant to respective class/students targets.</p> <p>Exam style questions used per PiXL assessment as well as teach the topics that help students aim for grade 9 such as: Surds, Algebraic proofs, Transformations of graphs, Equations of circles, Quadratic and other sequences, Completing the square, Inverse and composite functions, Expanding more than two binomials, Nonlinear simultaneous equations, Solving quadratic inequalities, Circle theorems, Vectors, Sine and cosine rules, Area under graphs, Histograms, Capture-Recapture, Set theory, Proportion and Percentages – reverse.</p> <p>Also, understanding of formulae and ability to do problem solving questions is vital for pupils that are looking to do maths beyond GCSE as the level of algebra becomes more sophisticated and intricate.</p>
In-class assessments	<p>First of all the use of the Do it now tasks at the beginning of each lesson that target weaker topics.</p> <p>Pre and post testing on topics that students need to strengthen.</p> <p>Examination style question assessing their ability to apply understanding.</p> <p>Students will also undergo a GCSE mock exam after their Easter break week beginning 19th of April.</p>

	<p>While doing the PiXL tests and therapies in lessons, we will be giving students past GCSE papers to assess their progress and grade. The number of assessments are on teacher's discretion.</p> <p>The maths department will be using formative and summative assessments starting from: 22th March the students will be completing a 20 minutes test on various topics ranging from Number 1 and 2, Algebra 1 and 2, Geometry 1 & 2, Probability 1 & 2, Ratio, Proportion & Rate of Change 1 & 2, Statistics 1 & 2, percentages gains & loss, reverse percentages, compound interest and Geometry and Measure 1 & 2.</p> <p>In class assessment will also include examination style questions on quadratic equations, circle theorems and Surds. After the Easter break from 19th April the 20 minute mini-paper will resume and all the year 11 will sit some GCSE test papers in preparation for their final assessments.</p> <p>All the above assessments range from Grades 2-3 and building on to grades 4-5 for foundation students and Grades 4, 4-5, 5-6 and 7-9 for higher students in order to better prepare the students and help increase their foundation, confidence and resilience to the subject not only for the GCSEs exams but for their 6th form and college studies.</p>
<p>Interventions</p>	<p>Interventions will start on Monday 15th March. Week 1 for mathematics intervention Week 2 for option subjects. However, if options are not running intervention then the students can benefit from more Maths intervention by default. The intervention will run in the following manner.</p> <p>Students will be targeted where they would benefit from extra time at the end of school day. There will be an intense study support timetable starting in the lead up to the mock exams.</p> <ul style="list-style-type: none"> • Key border line students on grade 3 moving to grade 4. • Key border line students on grade 4 moving to grade 5. • Key border line students on grade 6 moving to grade 7+. <p>The intervention will allow those that are struggling to be focused upon and given the key guidance in order to meet their potential final grade; the intervention will be used to cover certain topics in depth and explore the topic to gain mastery.</p>
<p>Additional sessions</p>	<p>There will be comprehensive revision Maths programme put in place over the Easter break to best prepare the students for their exams.</p> <p>Booklets to be provided for students to complete during Easter holidays.</p> <p>Topics covered will be based on grading provided by Edexcel. Each class set will cover targeted topics to ensure they have the best possible chance to attain their target grade.</p>
<p>Non-Examined Assessment (NEA)</p>	<p>N/A</p>

Range of evidence	<p>During lock down the students completed the following assessments:</p> <p>Set 2A papers H1, H2 and H3</p> <p>Set 2B papers H1,H2 and H3</p> <p>Set 2A papers F1, F2 and F3</p> <p>Set 2B papers F1, F2 and F3</p> <p>Previous assessed pieces including mock examinations and topic assessments will be considered from Years 10 and 11.</p> <p>Formal mock examinations and examination style questions completed previously and in the coming weeks will be considered.</p>
Formal assessments	<p>We will be assessing our students and the majority of these assessments will take place between 10th and 25th May.</p> <p>Teachers will do formal assessments (Past GCSE papers) at different points (teachers' discretion) to evaluate students' grade and progress and GCSE mock tests.</p> <p>The maths department also aims at offering the year 11 the chance to have the full Three papers and the full GCSE papers.</p>
Other information	