

Curriculum Intent, Implementation and Impact 2019-20

Subject (include exam board if examination subject): GCSE Mathematics – Edexcel

Year group: Year 10

Periods per fortnight: 8

INTENT:

The intent in the curriculum of mathematics at the Buckingham school aims to train students to become mathematicians, that are confident, resilient, and equipped with spatial reasoning and problem solving skill that allows for connecting different mathematical concepts together. Our students will be curious in their approach of this course, as they will be challenged through the different questions/ concepts that are suitable and appropriate for their individual level. Students will be divided into the Higher and Foundation tier of the GCSE course. All of which are driven by the intent of challenging our students to become ambitious individuals that will be successful in their approach that alongside will be respectful of other's opinions and will be able to empathise with others. By the end of this year, the different tiered students will be able to demonstrate their knowledge in the content displayed below.

IMPLEMENTATION:

Higher Tier

Term	Topics studied Add dates and any assessments included	Extended learning opportunities (homework, controlled assessments, field work, trips etc.)	How parents could support students
Autumn Term	<ul style="list-style-type: none"> ▪ Equations and inequalities ▪ Probability ▪ Multiplicative reasoning 	<p>Maths Pixl app Google classroom - With extended learning opportunities such as PRET homework</p> <p>Summative assessments to take place at the end of each chapter</p> <p>End of term test will consist a full GCSE paper</p>	<p>Engage in Pixl app with their child</p> <p>Ensure that all homework is cross referenced and completed on google classroom</p> <p>Encourage and help with your child in remember the key terms</p> <p>Ensure that their child is working through the Edexcel Revision guides/ Workbooks</p>
Spring Term	<ul style="list-style-type: none"> ▪ Similarity and congruence ▪ Trigonometry 2 ▪ Further Statistics 	<p>Maths Pixl app Google classroom - With extended learning opportunities such as PRET homework</p> <p>Summative assessments to take place at the end of each chapter</p> <p>End of term test will consist a full GCSE paper</p>	<p>Engage in Pixl app with their child</p> <p>Ensure that all homework is cross referenced and completed on google classroom</p> <p>Encourage and help with your child in remember the key terms</p> <p>Ensure that their child is working through the Edexcel Revision guides/ Workbooks</p>

Summer Term	<ul style="list-style-type: none"> ▪ Equations and graphs ▪ Circle Theorems ▪ Mock exam practice/ review 	<p>Maths Pixl app Google classroom - With extended learning opportunities such as PRET homework</p> <p>Summative assessments to take place at the end of each chapter</p> <p>End of term test will consist a full GCSE paper</p>	<p>Engage in Pixl app with their child</p> <p>Ensure that all homework is cross referenced and completed on google classroom</p> <p>Encourage and help with your child in remember the key terms</p> <p>Ensure that their child is working through the Edexcel Revision guides/ Workbooks</p>
-------------	---	--	---

Foundation Tier

Term	Topics studied Add dates and any assessments included	Extended learning opportunities (homework, controlled assessments, field work, trips etc.)	How parents could support students
Autumn Term	<ul style="list-style-type: none"> ▪ Transformations ▪ Ratios and proportions 	<p>Maths Pixl app Google classroom - With extended learning opportunities such as PRET homework</p> <p>Summative assessments to take place at the end of each chapter</p> <p>End of term test will consist a full GCSE paper</p>	<p>Engage in Pixl app with their child</p> <p>Ensure that all homework is cross referenced and completed on google classroom</p> <p>Encourage and help with your child in remember the key terms</p> <p>Ensure that their child is working through the Edexcel Revision guides/ Workbooks</p>
Spring Term	<ul style="list-style-type: none"> ▪ Right angle triangles ▪ Probability ▪ Multiplication Reasoning 	<p>Maths Pixl app Google classroom - With extended learning opportunities such as PRET homework</p> <p>Summative assessments to take place at the end of each chapter</p> <p>End of term test will consist a full GCSE paper</p>	<p>Engage in Pixl app with their child</p> <p>Ensure that all homework is cross referenced and completed on google classroom</p> <p>Encourage and help with your child in remember the key terms</p> <p>Ensure that their child is working through the Edexcel Revision guides/ Workbooks</p>

<p>Summer Term</p>	<ul style="list-style-type: none"> ▪ Constructions, loci and bearings ▪ Quadratic equations and graphs ▪ Mock exam practice/ review 	<p>Maths Pixl app Google classroom - With extended learning opportunities such as PRET homework</p> <p>Summative assessments to take place at the end of each chapter</p> <p>End of term test will consist a full GCSE paper</p>	<p>Engage in Pixl app with their child</p> <p>Ensure that all homework is cross referenced and completed on google classroom</p> <p>Encourage and help with your child in remember the key terms</p> <p>Ensure that their child is working through the Edexcel Revision guides/ Workbooks</p>
--------------------	--	---	---

IMPACT:

The impact of the course is measured through our ongoing formative in lessons, and our summative assessments. Formative assessments will allow students to practice skills before the termly summative assessments at the end of each unit of study whilst also allowing teachers to address any misconceptions and areas of weakness. These are opportunities that allows for the student to demonstrate their mathematical knowledge and understanding along the seven key virtues of the Buckingham school. Our goal at the end is to ensure our students will be able to confidently think, process that allows them to make sound judgements that is backed by mathematical evidence and knowledge.