



Parkfield School

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Principal: Mr I. Golding

Monday 4th December 2017

Dear Parents/Carers,

Re: Key Stage 3 Mathematics Revision

Key stage three students will be tested in Mathematics termly and then an end of year test in the summer. As we approach the first end of term test I am sending home some useful information regarding revision.

Attached to this letter is some information regarding the syllabus your son / daughter is following and the units that will be tested, as well as suggestions for ways in which to revise.

I am recommending the Pearson Key Stage 3 Mathematics Revision Guide. This normally costs £5.99, but if purchased through the school can be bought at the reduced price of £2.49. This book will cover both year 7 and 8, after which the students will move on to a 3 year GCSE course.

If you would like to purchase a revision guide payment should be made by WisePay (which can be accessed via the school's website). Please complete the slip and return to the school office by **Wednesday 6th December 2017**.

Yours sincerely,

Mrs K Barrett
Curriculum Leader for Mathematics

KS3 - Pearson Mathematics Revision guide

Name of student: _____

I have paid £ 2.49 via WisePay

Name of Parent/Carer: _____

KS3 F Maths – Parent and Student Guide

Course

Students in Key Stage Three are following a two year scheme of work as a foundation for GCSE Mathematics. In Year 9 students will begin a 3 year syllabus for Edexcel GCSE 1 – 9 Maths. The Units covered are set out in detail in the year plan below.

Homework

Homework is set weekly in Maths and it is expected that students will spend 45 minutes per week on it. Homework is set every Tuesday for all classes and is due in the following Tuesday. Work is set on the website: www.hegartymaths.com, parents can view their students homepage with them on which the tasks they have been set and their deadlines can be viewed. Each task is accompanied by a video, which the students should watch to recap their learning in class. Students are expected to achieve a minimum of 80% on each task and should seek help from their teacher before the deadline if they are finding this difficult.

Revision

Students are expected to revise for assessments. This will usually be a combination of hegarty maths tasks set by their teacher and revision worksheets provided. Students can also revise independently on hegarty maths using the 'Fix Up 5' feature, which generates questions based specifically on areas they have struggled with in the past. Many students find a revision guide useful and the one we recommend (Pearson KS3 Mathematics Revision) works alongside our syllabus and the Edexcel Exam board used at GCSE level. The book contains both a revision guide and practice questions.

Year Plan

Autumn Term	
Unit 1 – Analysing and Displaying Data	<ul style="list-style-type: none">- Mode, median and range- Displaying data- Grouping data- Averages and comparing data- Line graphs and bar charts- Spreadsheets
Unit 2 – Number Skills	<ul style="list-style-type: none">- Mental maths- Addition and subtraction- Multiplication- Division- Negative Numbers- Factors, multiples and primes- Square and triangle numbers
Unit 3 – Expressions, functions and formulas	<ul style="list-style-type: none">- Functions- Simplifying expressions- Writing expressions- Substituting into formulae- Writing formulae

Unit 4 - Decimals and measures	<ul style="list-style-type: none"> - Decimals and rounding - Length, mass and capacity - Scales and coordinates - Working with decimals - Perimeter - Area
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Final week of term – end of term test covering all topics studied in Autumn Term.

Spring Term

Unit 5 – Fractions	<ul style="list-style-type: none"> - Comparing fractions - Simplifying fractions - Working with decimals - Fractions and decimals - Understanding percentages - Percentages of amounts
Unit 6 – Probability	<ul style="list-style-type: none"> - The language of probability - Calculating probability - Experimental probability - Expected outcomes
Unit 7 – Ratio and Proportion	<ul style="list-style-type: none"> - Direct proportion - Writing ratios - Using ratios - Scales and measure - Proportions and fractions - Proportions and percentages

Final week of term – end of term test covering all topics studied in Spring Term.

Summer Term

Unit 8 – Lines and Angles	<ul style="list-style-type: none"> - Lines, angles and triangles - Estimating, measuring and drawing angles - Drawing triangles accurately - Quadrilaterals
Unit 9 – Sequences and Graphs	<ul style="list-style-type: none"> - Sequences - Coordinates - Extending sequences - Position to term rules - Straight line graphs
Unit 10 – Transformations	<ul style="list-style-type: none"> - Congruency and enlargements - Symmetry - Reflection - Rotation - Translations and combined transformations

Week TBC – End of Term test covering all topics covered in Summer Term

Revision	Revision of all topics covered this year
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Week TBC – End of Year Test