Parkfield School

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 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) and the slip overleaf should be completed and returned 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 P 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 - Number	- Calculations - Calculating with negative integers - Powers and roots - Powers, roots and brackets
Unit 4 – Expressions and Equations	- Algebraic powers - Expressions and brackets - Factorising expressions - Solving equations -
Unit 5 – Real life graphs	- Conversion graphs - Distance – Time graphs - Line graphs - Graphs of functions
Final week of term – end of term test covering all topics studied in Autumn Term.	

Spring Term	
Unit 2 – Area and Volume	- Area of a triangle - Area of parallelograms and trapeziums - Volume of cubes and cuboids - 3D shapes - Surface are of cubes and cuboids - Problems and measures
Unit 6 – Decimals and Ratio	- Ordering decimals and rounding - Place value calculations - Calculations with decimals - Ratio and proportion with decimals
Unit 7 – Lines and angles	- Quadrilaterals - Alternate angles and proof - Geometrical problem - Exterior and interior angles
Unit 8 – Calculating with Fractions	- Adding and subtracting fractions - Multiplying fractions - Fractions, decimals and reciprocals - Dividing fractions - Calculating with mixed numbers
Final week of term – end of term test covering all topics studied in Spring Term.	

Summer Term	
Unit 9 – Straight line graphs	- Direct proportion on graphs - Gradients - Equations of straight lines
Unit 10 – Percentages, decimals and fractions	- Fractions and decimals - Equivalent proportions - Writing percentages - Percentages of amounts
Unit 3 – Statistics, graphs and charts	- Pie charts - Using tables - Stem ad leaf diagrams - Comparing data - Scatter graphs
Week TBC – End of Term test covering all topics covered in Summer Term	
Revision	Revision of all topics covered this year
Week TBC – End of Year Test	