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MATHS NEWSLETTER. ISSUE 1. TERM 3.

Welcome to the final Maths newsletter of the academic year. It's going to be another busy term. All year groups will be doing their end of year exams.

Best wishes and best of luck to all year groups, especially Year 11 and Year 13s doing their final GCSE and GCE exams.

The department has started a revision Maths Master class for Year 10 every Thursday 3:15 to 4:10pm. Please do encourage your child to attend these sessions.

We have also sent the revision list for the end of year exams for Years 7-10. Please do contact me if you have any questions. I can be emailed at ntakhar@rooksheath.harrow.sch.uk , or please email the relevant class teacher.

Many thanks, Mrs N Takhar (Head of Mathematics)

Assessment Dates

LOOK OUT FOR INFORMATION IN 'SATCHEL ONE', 2 WEEKS BEFORE THE ASSESSMNET

Year 7: End of year exam 14th and 15th June

Year 8: End of year exam 15th and 16th June.

Year 9: End of year exam 12th June

Year 10: Mocks WC 26th June

Year 11: 15th May Main Exam season
Paper 1 (non-calculator): Friday 19th May
Paper 2 (calculator): Wednesday 7th June
Paper 3 (calculator): Wednesday 14Th June

Year 12: End of year exam WC 4th July

Homework

Homework is set once a week

Once a week, it will be a written piece of homework - it can be a worksheet or an exercise from the homework books. The following week, an online homework will be set on either MyMaths or Kerboodle.

Teachers will set the homework as an assignment on Teams, and you should also get a notification via Satchel One.

Support

What	When	Where
Maths Homework Club	Every Thursday 3:10pm – 4:10pm	D2
KS4 Maths Master Class (Years 10 and 11)	Every Thursday 3:15pm – 4:10pm	D3(higher)/ MG1(foundation)
KS4 Maths Further Maths class (year 11)	Every Tuesday 3:15pm – 4:00pm	EF6
KS5 Maths Club (Years 12 and 13)	Every Thursday 3:10pm – 4:10pm	EF3
UKMT Maths Challenge Club And STEM Club	Every Thursday 3:10pm – 4:10pm	EG7

Learning this term?

As a department we follow the schemes of learning from White Rose Maths and Kerboodle. The Knowledge Organiser for each topic can be found in Teams/SharePoint in Year Group folders.

GCSE Maths exam board - **Edexcel**

Level 2 Further Maths exam board - **AQA**

AS/A level Maths exam board - **Edexcel**

This term the Year Groups are studying the following:

Year 7	• Application of Numbers • Geometrical Reasoning
Year 8	• Standard Index Form • Developing Geometry • The data handling cycle
Year 9	• Formulae and Functions • Working in 2D • Probability
Year 10	• Factors, powers, and roots • Graphs 1 • Working in 3D
Year 11	• Revision for GCSE exams

Year 12	• Revision for AS exam • Algebraic methods • Functions and graphs • Sequences and graphs • Binomial expansion

Exam Tip

TIPS FOR EXAM PREPARATION

01 START WITH A STUDY PLAN

02 HAVE A DESIGNATED SPACE TO STUDY

03 HYDRATE YOURSELF AND CONSUME HEALTHY FOOD

04 TAKE BREAKS AND SLEEP WELL

05 TAKE BREAKS AND SLEEP WELL

Symbol of the term

π

The number **π** (/paɪ/; spelled out as "**pi**") is a mathematical constant that is the ratio of a circle's circumference to its diameter, approximately equal to 3.14159.
The number **π** appears in many formulae across mathematics and physics. Consequently, its decimal representation never ends, nor enters a permanently repeating pattern.

Word of the term

Irrational number

In mathematics, the **irrational** are all the real numbers that are not rational numbers. That is, irrational numbers cannot be expressed as the ratio of two integers.
A number that cannot be represented as a decimal or fraction. A number like pi is irrational because it contains an infinite number of digits that keep repeating. Many square roots are also irrational numbers.

Career in Maths

Software developer and computer programmer

Developing software requires knowledge of programming languages and mathematics skills to calculate parameters. Computer programming and the development of computer software involve mathematics skills and calculations. They read binary code, and programming requires subtraction, addition and division. Programming or coding degrees remain the top priority, but a maths minor or advanced courses support your qualifications.

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Maths Puzzle of the term

The circumference of the Earth is approximately 40,000 kilometers, and someone has just made a metal band that circles the Earth, touching the ground at all locations.

You come along at night, as a practical joke, and add just 10 meters to its length (one hundredth of one kilometer !)

It is now one four-millionth longer, and sits magically just above the ground at all locations

How far has it risen ... could a flea, a rabbit or even a man squeeze underneath it?

Meet the Maths Team

Mrs N. Takhar (Head of Maths)
Mrs S. Subra
Mrs A. Syed
Mrs S. Sritharan
Ms H. Capper
Mrs A. Farzady
Mr E. Bissoon
Mrs N. Khan
Ms A. Murray
Mr T. Hutchful
Mr N. Waraich
Ms V. Caullet