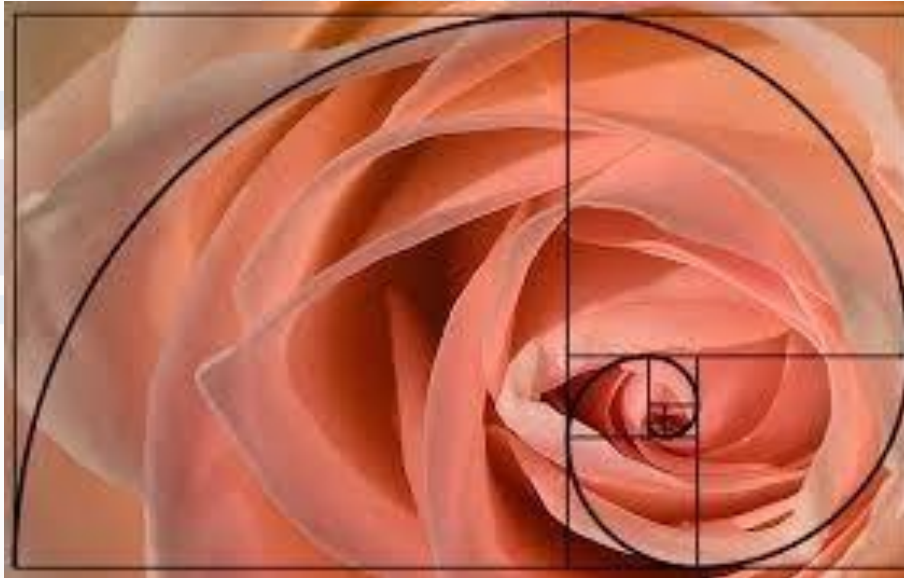


Mathematics

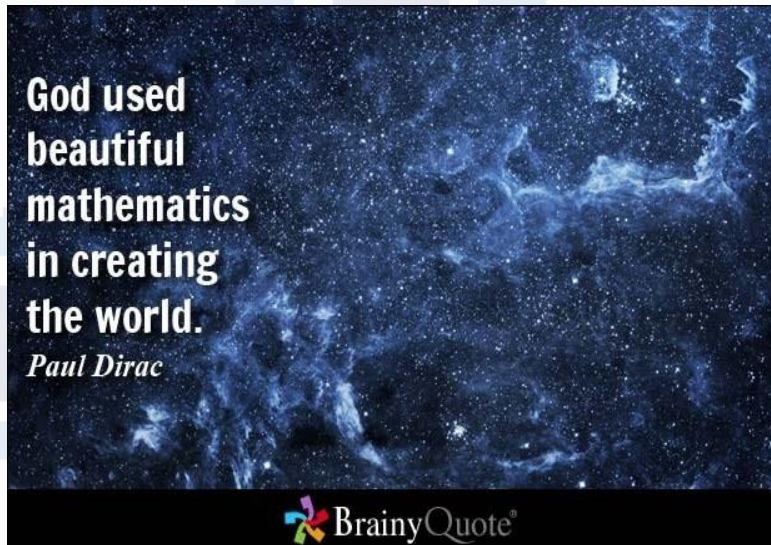


**MATHEMATICS IS THE
MOST BEAUTIFUL
AND MOST
POWERFUL
CREATION OF THE
HUMAN SPIRIT.**

QUOTEHD.COM

Stefan Banach
Polish Mathematician

**Welcome to the wonderful
world of Mathematics.**



Numeracy across the curriculum.

You will be practising and applying your maths skills across all of your other subjects. You need to take your maths brain to every lesson.

Numeracy Ninjas

Each year 7 group will take part in Numeracy Ninjas to improve your mental maths skills.



Curriculum Intent

The vision of the mathematics department is to develop student's understanding and enjoyment of mathematics to develop competent mathematicians ready for GCSE and beyond. The mathematics faculty believes in the potential of every student and works to develop the mindset and skills necessary for all students to be successful learners. In the mathematics faculty, every student matters and we continue to strive to help students achieve their very best through excellent learning and teaching.

Overview

Good mathematics is not about how many answers you know but about what you do when you don't know the answer.

Mathematics like Numeracy gives us the tools to engage with the numbers we encounter in everyday life such as ratio and proportion, finance, measure or the rapidly expanding fields of statistics and data.

We aim, at St Peter's, to ensure that our students are numerate and ready to engage with number in their future careers

Mathematics also teaches the importance of problem solving. Students develop the ability to read and understand a problem and then apply their Mathematical knowledge to solve a problem. It teaches students to be logical and organised in their thought processes. It encourages students to be tenacious and to see a task through to its conclusion.

Your GCSE promotes the skills of problem solving and investigation and all students in St Peter's will be participating in an extended project at the end of each summer term. This may involve building scale models, statistics projects such as investigating used car prices or climate, or discovering how algebra really works.

In our rapidly changing world Mathematics develops our students to be adaptable and apply existing skills to new problem. At St Peter's students follow a broad based curriculum in year 7 and 8 which builds on KS2 and advances and secures the mathematical knowledge essential for KS4.

KS4 is three-year curriculum which is designed to equip students with the necessary skills to achieve their full potential in their GCSE's. We also aim to ensure that all students are equipped with the ability and tenacity to tackle and solve problems and that our students have the mathematical tools to support their studies in the wider academy curriculum.

We aim to equip all our students with the mathematical ability they will need in the future. Our students who will go on to study at a higher level will leave St Peter's with the range of mathematical knowledge and skills required to be successful and a passion to succeed in this field.

The Maths Faculty

Mr P Hawthorne (Head of Faculty)

Mr B Weeks (Assistant Principal)

Mr B Thompson (Head of Year 7)

Miss J Gibson

Mr D Purle (2nd in Mathematics)

Mr C Chimhandamba

Mr D Stuart

Mr R Ramzan

Mrs K Alcock

●	▲	▲	★	16
★	●	●	●	14
▲	●	★	▲	16
★	★	★	★	20
17	15	17	17	

- =
- ★ =
- ▲ =

Maths Puzzles

MATH TEST!

3 + 3 x 3 - 3 + 3 = ?

- a) 18
- b) 12
- c) 03
- d) 06

McDonald's sell chicken nuggets in boxes of 6, 9 and 20. What is the maximum number of chicken nuggets that you **cannot** buy? (E.g. you cannot buy 1 to 5 chicken nuggets, but you can buy 6. Whereas you cannot buy 7 or 8 but can buy 9. You can buy 12 by purchasing two boxes of 6 and 15 with one box of 6 and another box of 9)

Mathematics

Year 7 and 8

In Years 7 and 8 you will be building on the mathematical foundations you have already laid in Primary School.

You will study :

- Number,
- Ratio and Proportion,
- Geometry and Measure,
- Statistics and Probability,
- Algebra.

○	△	△	☆	16	○ =
☆	○	○	○	14	☆ =
△	○	☆	△	16	△ =
☆	☆	☆	☆	20	
17	15	17	17		

Year 9 and 10

In year 9 and 10 you will be following the KS4 GCSE Maths Syllabus.

Maths exams are changing and you will need to develop your problem solving skills.

You will learn to be a mathematical detective.

8	27	6	21
54	24	42	18
9	30	5	?
60	27	?	?



Year 11

In year 11 you will consolidate all your mathematical knowledge and learn how to use it to answer GCSE questions.

You will be training like a mathematical athlete ready for your chance to shine.



MATH TEST!

$$3 + 3 \times 3 - 3 + 3 = ?$$

- a) 18
- b) 12
- c) 03
- d) 06

ADDITIONAL LANGUAGES

Many of our students are lucky enough to speak a language in addition to English! Wherever possible we enable students to take an extra GCSE in that language. In recent years students achieved exceptionally well in:

Chinese
Panjabi

Dutch
Turkish

Italian
Urdu

If you speak another language TELL US ABOUT IT! At St Peter's CofE Academy we celebrate the cultural and linguistic diversity of our students.

ENGLISH AS AN ADDITIONAL LANGUAGE

A number of students join our school from overseas and as a result have little English. At St Peter's we have a dedicated member of staff to support these students where necessary, either within selected lessons or through more specific support.

