



CHRIST CHURCH

Church of England Secondary Academy

Yr 7 Mathematics

Why we think this is important for you

Year 7 mathematics will build your fluency with numbers and allow you to start to solve problems in lots of different contexts which lets you find solutions in a variety of ways. Much of mathematics is about pattern spotting and so we spend lots of time looking for the similarities and the differences in our topics.

What are the big ideas and concepts I will cover this year?

- The skills required to be an excellent mathematician
- How numbers and algebra relate to each other
- How to spot patterns and predict the next step
- How to see similarities between topics

What am I learning about in Maths this year?

Autumn 1

Autumn 2

Spring 1

Spring 2

Summer 1

Summer 2

How can I explore this subject and topic more?

Watch documentaries or films
Read books
Complete independent learning on Sparx
Develop timetables on Sparx or Complete challenges from the website NRICH
Careers links:
Working in finance, engineering, sciences, programming, statistics

Place Value

Solving problems with addition and subtraction

Solve problems with multiplication and division

FDP Equivalence

Fraction and percentage of amounts

Sequences

Understand and use algebraic notation

Equality and Equivalence

Directed numbers

Adding and subtracting fractions

Measuring and constructing

Geometric notation

Developing Number Sense

Sets & Probability

Primes & Proof

Study topics in Yr8

Many topics will be covered again in year 8 and taken further. NEW in yr8:
Indices
Standard Form
Cartesian Plane

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CELEBRATE
TRUTH



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Yr 8 Mathematics

Why we think this is important for you

Year 8 mathematics will build your fluency with numbers and algebra allowing you to solve problems in lots of different contexts which lets you find solutions a variety of ways. Lots of mathematics is about pattern spotting and so we spend lots of time looking for the similarities and the differences in our topics and build the connections that we understand. Many topics have been seen in year 7 and we take them further so please impress us with your knowledge and understanding.

What are the big ideas and concepts I will cover this year?

- The skills required to be an excellent mathematician
- How numbers and algebra relate to each other
- How to spot patterns and predict the next step
- How to represent maths in different contexts
- How to explain reasoning

What am I learning about in Maths this year?

Autumn 1

Autumn 2

Spring 1

Spring 2

Summer 1

Summer 2

Multiplicative Change

Multiply and Divide Fractions

The Cartesian Plane

Tables and Probabilities

Brackets, Equations and Inequalities

Sequences

Number sense

Angles in parallel lines

Area of Trapezia & Circles

How can I explore this subject and topic more?

Watch documentaries or films
 Read books
 Complete independent learning on Sparx
 Develop timetables on Sparx or
 Complete challenges from the website NRICH
Careers links:
 Working in finance, engineering, sciences, programming, statistics

Sets and Probability

Prime Numbers And proof

Ratio and Scale

The Cartesian Plane continued

Representing data

Indices

Fractions & Percentages

Standard Form

Study topics in Yr9

Many topics will be covered again in year 9 and taken further.
 NEW in yr9:
 Congruency
 Pythagoras' Theorem
 Working in 3D
 Deduction

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Yr 9 Mathematics

Why we think this is important for you

Year 9 mathematics will build your fluency with numbers and algebra allowing you to solve problems in lots of different contexts which lets you find solutions a variety of ways. Lots of mathematics is about pattern spotting and so we spend lots of time looking for the similarities and the differences in our topics and build the connections that we understand. Many topics have been seen before and we take them further so please impress us with your knowledge and understanding.

What are the big ideas and concepts I will cover this year?

- The skills required to be an excellent mathematician
- How numbers and algebra relate to each other
- How to spot patterns and predict the next step
- How to represent maths in different contexts
- How to explain reasoning

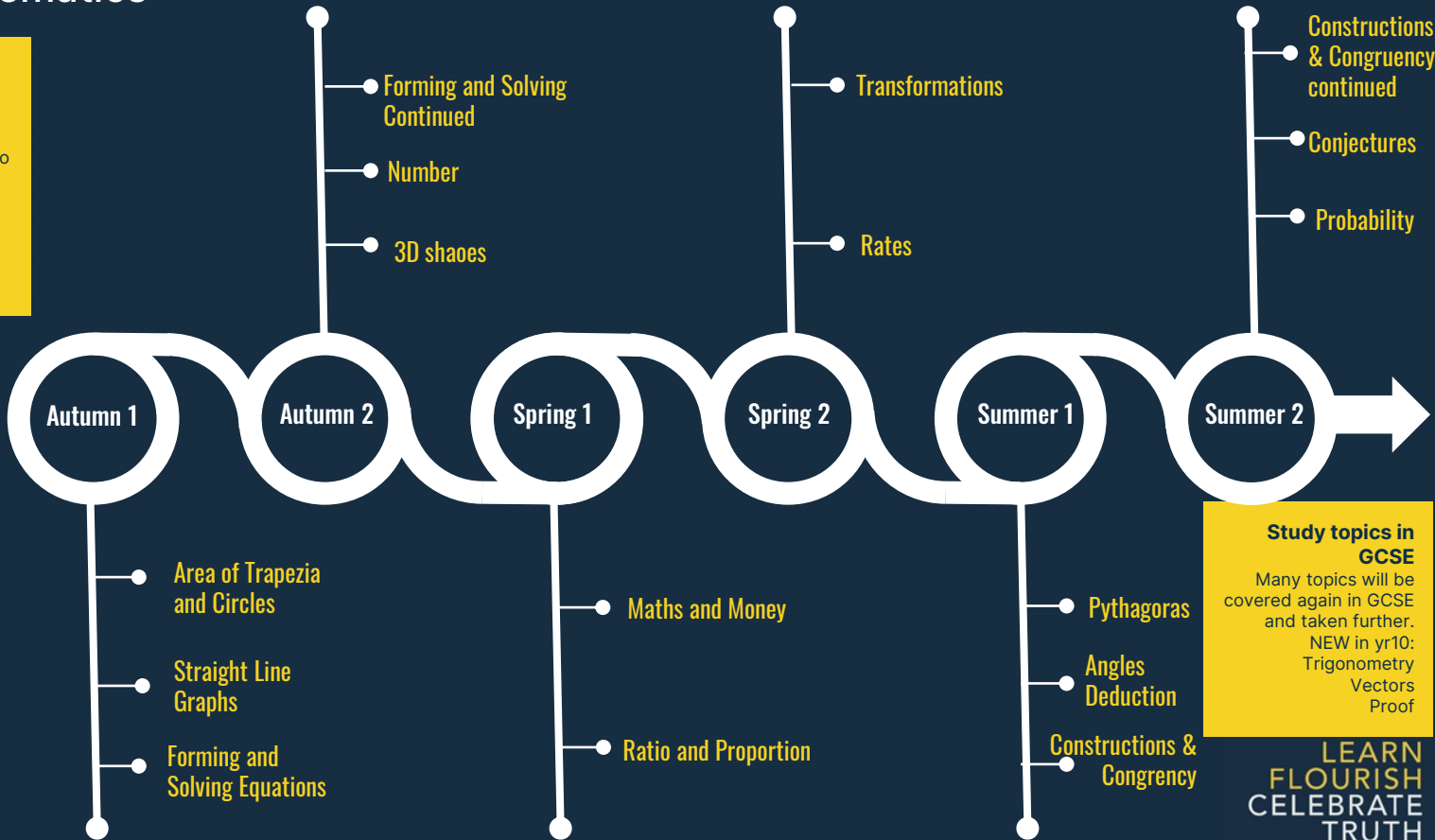
What am I learning about in Maths this year?

How can I explore this subject and topic more?

Watch documentaries or films
Read books
Complete independent learning on Sparx
Develop timetables on Sparx or
Complete challenges from the website NRICH

Careers links:

Working in finance, engineering, sciences, programming, statistics



Study topics in GCSE
Many topics will be covered again in GCSE and taken further.
NEW in yr10:
Trigonometry
Vectors
Proof

LEARN
FLOURISH
CELEBRATE
TRUTH