

## Broadening Horizons

Our intent is that all students have a full understanding of how to develop themselves as well rounded citizens, maintain healthy relationships and understand how to keep themselves safe both online and in their day-to-day life.

We want all students to know what options are open to them in the future and understand the routes they have in order to progress on their life journey.

Our curriculum will include:

- Opportunities throughout the curriculum to learn about mathematics in different cultures and across the ages
- Celebrating mathematical focus days (such as Pi Day and Number Day)
- Emphasis on financial maths skills during Money Matters Week and in a dedicated block of work
- Encouraging participation in maths challenges (such as the Intermediate Maths Challenge)
- Participation in online lectures and events run by the AMSP

## Careers

Mathematics is a subject that plays a crucial role in many careers, including those that involve planning and managing resources. For example, careers in Finance, Logistics, and Project Management all require a strong understanding of maths and the ability to use ratios and proportions to plan and allocate resources effectively.

Maths is also an essential skill for careers in fields such as Catering, Baking, and Brewing, where accurate measurements and ratios are crucial for creating delicious and consistent products.

Encouraging your children to develop their mathematical skills, including understanding ratios and proportions, can open up a range of exciting career opportunities in these fields and more.

## Immerse Yourself



Log onto your MathsWatch Account here



Students have access to MathsWatch to support their revision which links to the tracker sheets filled in during lessons.

If they are struggling with topics in lessons or want to enhance their learning in the classroom then these clip numbers are an ideal place to cover content at home.

The MathsWatch website has short video clips as well as having links to interactive questions and further worksheets.

## Praise and Reward

Our rewards system can be broadly split into four categories: classroom level, subject level, school level and privilege rewards. We'll focus on classroom and subject rewards here - for more information about our rewards schemes, please see our website.

### CLASSROOM LEVEL REWARDS

Awarded for: working hard, taking risks and rising to a challenge, making mistakes and learning from them, helping others, and taking pride in the school community.

Rewarded by: praise postcards, positive phone calls to parents/carers, positive text messages home, and lesson-based prizes.

### SUBJECT LEVEL REWARDS

Reward scheme: Star of the Week, curriculum awards (Subject/School Way, participation, working with pride, embracing the whole curriculum), high flyer, extra mile, most improved.

Rewarded by: names displayed on reward boards, certificates, social media posts.

## Contact



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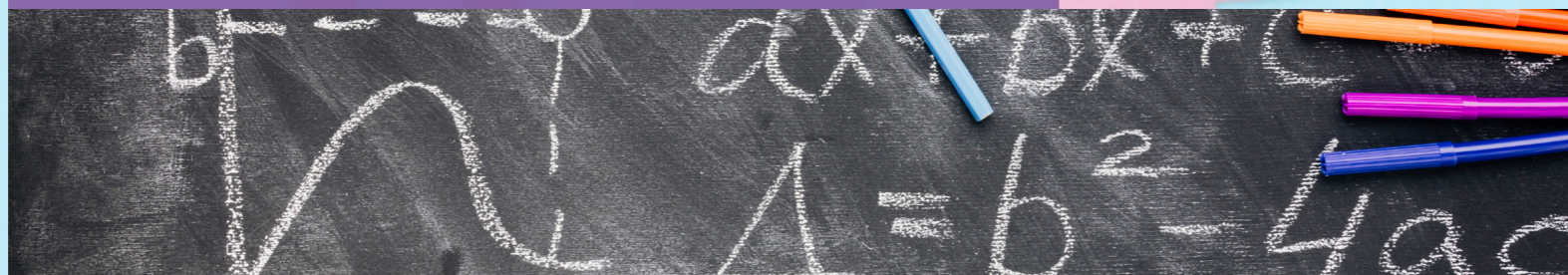
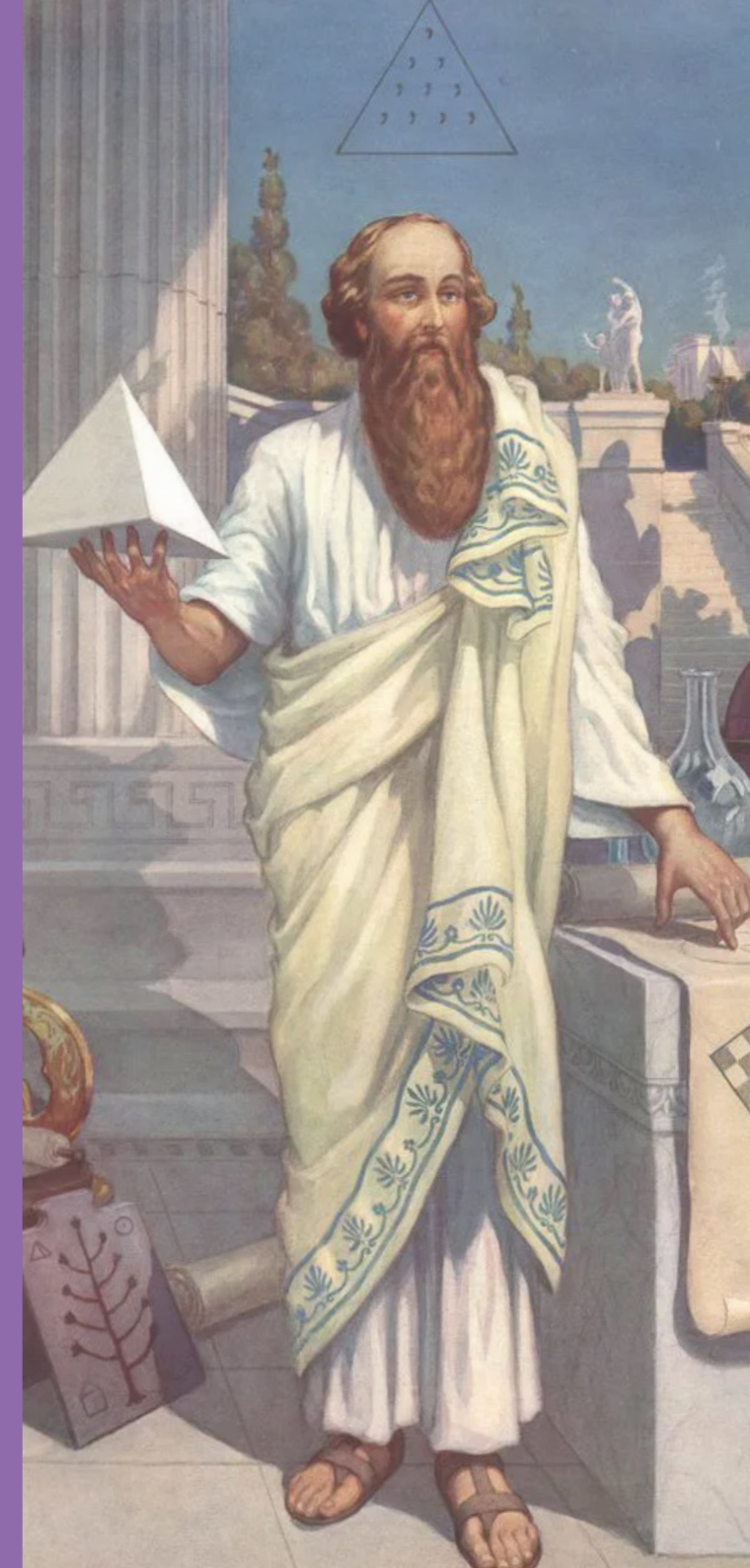
## Pythagoras Theorem

Pythagoras was credited with many mathematical and scientific discoveries, including the Pythagorean Theorem. Math Antics explains further why this discovery was so important for the world.



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MATHS  
YEAR 9 Curriculum Newsletter



# Curriculum Intent

It is our intention that every student leaves school confident and competent to deal with any mathematical problem they may face in their lives and future careers.

This is achieved through promoting students to; be resilient in their approach, take risks to deepen their knowledge, forge valuable working relationships and take responsibility for and enjoy their learning. We aim to push students to be the best mathematicians by building up their skills base and maximising their attainment and understanding in mathematics at whichever stage that may be.

We ensure a coherent mathematics scheme of work that challenges all students and promotes teaching and learning; this provides students with the knowledge and skills to achieve well academically, and be successful once their education with us ends.

# Year 9 Curriculum

In Year 9, students study 5 key themes.

## Reasoning with Algebra

Within this unit students study straight line graphs, forming and solving equations and testing conjectures.

## Constructions in 2D and 3D

Students will study three dimensional shapes and constructions and congruency.

## Reasoning with Number

Students study numbers, using percentages and maths and money.

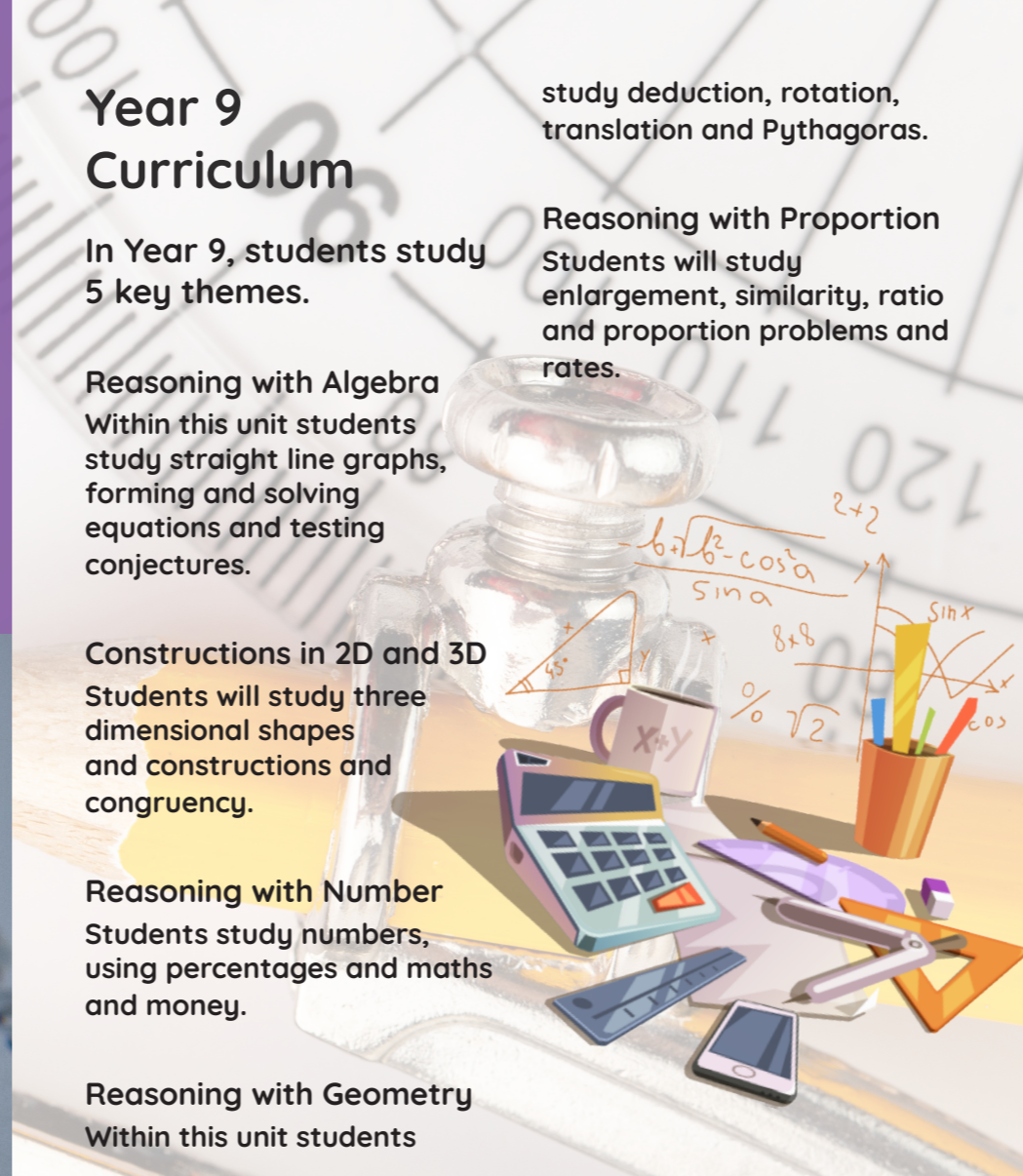
## Reasoning with Geometry

Within this unit students

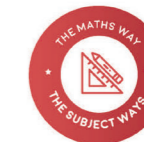
study deduction, rotation, translation and Pythagoras.

## Reasoning with Proportion

Students will study enlargement, similarity, ratio and proportion problems and rates.



# THE MATHS WAY



## WE LOOK FOR MATHS IN THE REAL WORLD

We learn from peers & listen to their explanations

We see mistakes as an opportunity

## WE CAN THINK LOGICALLY

We can search for patterns in data

to learn

Analyse, reason, deduce

We persevere & try different approaches

We can identify relevant information

& use this to solve problems

We use our books as a revision guide  
We make mental estimations to check our answers are reasonable

We show all our working out



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SUBJECT WAYS

# Have your say!

At WPT we're always looking for feedback. If you have any thoughts/opinions on this Curriculum Newsletter, its content or the curriculum in general, please scan the QR code to fill out a short feedback form.



# Assessment Points

Students are assessed at the end of each theme, roughly once per half term. Assessments are written and include fluency, reasoning and problem-solving questions.

# The Maths Way

The Maths way is followed and referred to in all lessons. It supports students to become young mathematicians and develop them into thinking and working like mini-mathematicians.