Edition 9
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MATHEMATICS

YEAR 9 Curriculum Newsletter

Contact

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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. Click the topics below to explore.

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.

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.

Immerse Yourself

Maths Watch

- Develop Skills
- Tests and Topics
- Maths Revision at home

BBC Bitesize Maths

- Get Revising Quicker!
- Videos, Links and Games
- Study Support and Revision

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.

Test Your Knowledge with Quizlet...

Quizlet's Y9 Maths flashcards are a fantastic way to memorise relevant Maths terms to help you with your studies. Click on the icon below to start!

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.

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

Pi Day - Celebrate Mathematics

Pi Day is celebrated anually around the world. It's an opportunity for Math enthusiasts to recite the infinite digits of Pi, talk to their friends about math, and eat pie. Click on the logo for more information.

My Money Week - Young Enterprise

My Money Week aims to get children and young people aged 3 – 19 excited and interested in financial matters. It's a great introduction for educators who are new to financial education and each year it provides brand new resources, materials and ideas for those already teaching it. Click on the logo to explore.

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.

In Year 9 careers lessons there is a focus on developing maths skills that link to careers in Maths. They have been learning how Maths is involved in Urban Generation, and how it is used during the planning and development process in properties. Click on the logo to find out more.

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.

Firstly, to teach students the vital skills they need to achieve their full potential and gain the very best grades they can. Secondly, to teach students how each subject relates to the wider world, incorporating the life skills they will learn.

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 click on the title to fill out a short feedback form.