



# Woodhouse Academy Maths Scheme of learning

"Maths counts!" - Mr Williams



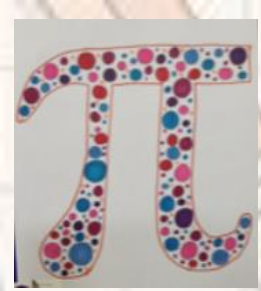
“Without mathematics, there's nothing you can do. Everything around you is mathematics. Everything around you is numbers.” - Albert Einstein

### OUR INTENT:

Mathematics is a creative and highly interconnected discipline that has been developed over centuries, providing the solution to some of history's most intriguing problems. It is essential to everyday life, critical to science, technology and engineering, and necessary for financial literacy and most forms of employment. The high-quality mathematics education that Woodhouse Academy delivers provides a foundation for understanding the world, the ability to reason mathematically, an appreciation of the beauty and power of mathematics, and a sense of enjoyment and curiosity about the subject.

# Enrichment in Maths

The Woodhouse Academy maths department strives to make maths fun, interactive and inclusive. We try to ensure that our pupils love maths, regardless of their ability. We follow the national curriculum, but try to deliver tasks and activities that will inspire our pupils to succeed. These may be treasure hunts, code breakers, *Timestable Rockstars*, catchphrase or the use of 'activote' pods, just to name a few. We have huge maths events throughout the year; our biggest annual event being the promotion of percentages with our Black Friday event. We also celebrate 'Pi Day' and encourage pupils to get involved with different Pi inspired games (we even have a Pi art competition!) The department delivers various themed maths lessons such as Halloween, Christmas and charity days as well as promoting STEM activities. For our high achievers, we enter the Junior Maths Challenge each year, which gives our gifted mathematicians in years 7 and 8 an opportunity to shine and compete against other pupils in the country.



## CRIME SCENE DO NOT CROSS

### CRIME SCENE INVESTIGATION

Pudsey has been kidnapped! There are 10 suspects that may have taken him.

You have been brought in as a police consultant. You should analyse the evidence provided to eliminate nine of the suspects and get Pudsey to safety, in time for Children in Need.

You must be ready to present your findings by the end of this lesson. Good Luck!



# Year 5 Curriculum Plan



Autumn	Spring	Summer
<ul style="list-style-type: none"><li>- <a href="#">Place value</a></li><li>- <a href="#">Addition and subtraction</a></li><li>- <a href="#">Statistics</a></li><li>- <a href="#">Multiplication and division part 1</a></li><li>- <a href="#">Perimeter and area</a></li></ul>	<ul style="list-style-type: none"><li>- <a href="#">Multiplication and division part 2</a></li><li>- <a href="#">Fractions</a></li><li>- <a href="#">Percentages</a></li></ul>	<ul style="list-style-type: none"><li>- <a href="#">Decimals</a></li><li>- <a href="#">Geometry: Angles</a></li><li>- <a href="#">Geometry: Position and direction</a></li><li>- <a href="#">Conversions</a></li><li>- <a href="#">Geometry: Volume</a></li></ul>

*Click on any of the units of work above and a hyperlink will take you to lessons that will help support each unit. However, here is the link to all the lessons for Year 5:*

*<https://classroom.thenational.academy/subjects-by-year/year-5/subjects/maths>*

# Year 6 Curriculum Plan



Autumn	Spring	Summer
<ul style="list-style-type: none"><li>- <a href="#">Place Value</a></li><li>- <a href="#">Addition and subtraction</a></li><li>- <a href="#">Multiplication and division</a></li><li>- <a href="#">Fractions</a></li><li>- <a href="#">Geometry: Position and direction</a></li></ul>	<ul style="list-style-type: none"><li>- <a href="#">Decimals</a></li><li>- <a href="#">Percentages</a></li><li>- <a href="#">Algebra</a></li><li>- <a href="#">Conversions</a></li><li>- <a href="#">Geometry: Area, perimeter and volume</a></li><li>- <a href="#">Ratio</a></li><li>- <a href="#">Statistics</a></li></ul>	<ul style="list-style-type: none"><li>- <a href="#">Probability</a></li><li>- <a href="#">Problem solving</a></li><li>- <a href="#">Reasoning</a></li><li>- <a href="#">Functional skills</a></li><li>- <a href="#">Themed investigations</a></li></ul>

*Click on any of the units of work above and a hyperlink will take you to lessons that will help support each unit. However, here is the link to all the lessons for Year 6:*

*<https://classroom.thenational.academy/subjects-by-year/year-6/subjects/maths>*

# Year 7 Curriculum Plan



Autumn	Spring	Summer
<ul style="list-style-type: none"><li>- <a href="#">Place Value</a></li><li>- <a href="#">Addition and subtraction</a></li><li>- <a href="#">Multiplication and division</a></li></ul>	<ul style="list-style-type: none"><li>- <a href="#">Fractions</a></li><li>- <a href="#">Statistics</a></li><li>- <a href="#">Negative numbers</a></li></ul>	<ul style="list-style-type: none"><li>- <a href="#">Algebra</a></li><li>- <a href="#">Geometry: Lines and angles</a></li><li>- <a href="#">Geometry: Loci and construction</a></li></ul>

*Click on any of the units of work above and a hyperlink will take you to lessons that will help support each unit. However, here is the link to all the lessons for Year 7:*

*<https://classroom.thenational.academy/subjects-by-year/year-7/subjects/maths>*

# Year 8 Curriculum Plan



Autumn	Spring	Summer
<ul style="list-style-type: none"><li>- <a href="#">Place value</a></li><li>- <a href="#">Four operations</a></li><li>- <a href="#">Percentages</a></li></ul>	<ul style="list-style-type: none"><li>- <a href="#">Algebra</a></li><li>- <a href="#">Conversions</a></li><li>- <a href="#">Geometry: 2D shapes</a></li><li>- <a href="#">Ratio</a></li></ul>	<ul style="list-style-type: none"><li>- <a href="#">Properties of 3D shapes</a></li><li>- <a href="#">Geometry: 3D shapes</a></li><li>- <a href="#">Standard form</a></li><li>- <a href="#">Probability</a></li></ul>

*Click on any of the units of work above and a hyperlink will take you to lessons that will help support each unit. However, here is the link to all the lessons for Year 8:*

*<https://classroom.thenational.academy/subjects-by-year/year-8/subjects/maths>*