



CURRICULUM MAP

Term

Core
Year 7 KS2 Transition

KS2 Mathematics Endpoint:

Key Stage 1 and 2 National Curriculum:

https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/335158/PRIMARY_national_curriculum_-_Mathematics_220714.pdf

The national curriculum for mathematics aims to ensure that all pupils:

- become fluent in the fundamentals of mathematics, including through varied and frequent practice with increasingly complex problems over time, so that pupils develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately.
- reason mathematically by following a line of enquiry, conjecturing relationships and generalisations, and developing an argument, justification or proof using mathematical language
- can solve problems by applying their mathematics to a variety of routine and nonroutine problems with increasing sophistication, including breaking

Assessment: KS2 Mathematics Assessment taken in May of the year students arrive at Uxbridge High School.

Autumn 1 Transition.

Assessment:

Baseline Test to stream students.

Feed Forward Period:

-The first few weeks of year 7 will be off scheme of work as students complete a KS2 Feed Forward. During this period, teachers will be expected to use the KS2 data to plan lessons which take steps to address gaps in their students KS2 knowledge and, as a result, best prepare them for foundation mathematics.



Core Year 7	Term	Higher Year 7
<p>Autumn 1</p> <p><u>Literacy / numeracy foci</u></p> <p>Key definitions.</p> <p>Oral and written interpretations and conclusions from data.</p> <p>Definitions in Knowledge Tests.</p> <p><u>Homework</u></p> <p>A minimum of 2 Hegarty Maths quizzes every week.</p> <p><u>Revisiting, revising, remembering opportunities</u></p> <p>Memri tasks on Hegarty Maths.</p> <p>Starters based on key KS2 knowledge.</p> <p>Low-stakes knowledge tests</p>	<p>Unit of work: Unit 1 Analysing Data and Unit 2 Number Skills</p> <p>Assessment objectives</p> <ul style="list-style-type: none"> To be able to calculate averages To be able to construct charts and tables for continuous and discrete data To be able to interpret representations of data. Complete calculations with fluency involving all four operations To be able to find factors, multiples and primes. <p>Enrichment/life and work skills:</p> <ul style="list-style-type: none"> Students will complete a cross-curricular project organised with the science department. Experiments will be carried out in Science and then Students will be exposed to graphs in a variety of contexts including finance, environment etc. See graphs in other contexts. Finance: Time and Money <p>Assessments Unit 1 and 2 Topic Test and Autumn 1 Assessment.</p> <p><u>Feed Forward lessons</u> to improve student knowledge following Autumn 1 assessment.</p>	<p>Autumn 1</p> <p><u>Literacy / numeracy foci</u></p> <p>Key definitions.</p> <p>Oral and written interpretations and conclusions from data.</p> <p>Definitions in Knowledge Tests.</p> <p><u>Homework</u></p> <p>A minimum of 2 Hegarty Maths quizzes every week.</p> <p><u>Revisiting, revising, remembering opportunities</u></p> <p>Memri tasks on Hegarty Maths.</p> <p>Starters based on key KS2 knowledge.</p> <p>Recap/refresher task at the start of lesson.</p> <p>Low-stakes knowledge tests at the end of each unit.</p>
<p>Autumn 2</p> <p><u>Literacy / numeracy foci</u></p> <p>Key definitions.</p> <p>Oracy to present answers in the correct literate manner but also to articulate problem solving.</p> <p>Definitions in Knowledge Tests.</p> <p><u>Homework</u></p> <p>A minimum of 2 Hegarty Maths quizzes every week.</p> <p><u>Revisiting, revising, remembering opportunities</u></p> <p>Memri tasks on Hegarty Maths.</p> <p>Starters based on key KS2 knowledge and previous topics.</p> <p>Low-stakes knowledge tests</p> <p>Key Interleaving: Expressions for the perimeter and area of shapes.</p>	<p>Unit of work: Unit 3 Expressions, functions and formula and Unit 4 Decimals and Measure</p> <p>Assessment objectives:</p> <ul style="list-style-type: none"> To be able to expand, factorise and simplify expressions. To evaluate expressions and formula using substitution. To perform the four operations with decimals. To round to decimals and significant figures. To calculate perimeter and area of squares/rectangles <p>Enrichment/life and work skills</p> <ul style="list-style-type: none"> STEM: Substitute into formula including speed, distance, time, conversion formula from science such as Celsius→Kelvin. STEM: Metric and imperial Explore famous formula such as The Drake Equation. Numeracy drop-down day. <p>Assessments: Unit 3 and 4 Topic Tests and Autumn 2 Assessment</p> <p><u>Feed Forward lessons</u> to improve student knowledge following Autumn 2 assessment.</p>	<p>Autumn 2</p> <p><u>Literacy / numeracy foci</u></p> <p>Key definitions.</p> <p>Oracy to present answers in the correct literate manner but also to articulate problem solving.</p> <p>Definitions in Knowledge Tests.</p> <p><u>Homework</u></p> <p>A minimum of 2 Hegarty Maths quizzes every week.</p> <p><u>Revisiting, revising, remembering opportunities</u></p> <p>Memri tasks on Hegarty Maths.</p> <p>Starters based on key KS2 knowledge.</p> <p>Recap/refresher task at the start of lesson.</p> <p>Low-stakes knowledge tests at the end of each unit.</p>
		<p>Unit of work: Unit 1 Analysing and Displaying Data and Unit 2 Number Skills.</p> <p>Assessment objectives:</p> <ul style="list-style-type: none"> To be able to construct and interpret graphs, charts and diagrams. To find averages from data. To calculate roots, powers and negatives. To find factors and multiples. To write a number as a product of its primes. <p>Enrichment/life and work skills:</p> <ul style="list-style-type: none"> STEM: Science and Maths Collaboration during first part of term. Cross-curricular investigation. A small group of HAPs in Mathematics will attend a workshop day at Brunel University during the first term. <p>Assessments</p> <p>Unit Tests and Autumn 1 Assessment</p> <p><u>Feed Forward lessons</u> to improve student knowledge following Autumn 1 assessment.</p> <p>Unit of work: Unit 3 Expressions and Unit 4 Fractions</p> <p>Assessment objectives:</p> <ul style="list-style-type: none"> To factorise, simplify and expand expressions. To substitute positive integers, negative integers and decimals into algebraic expressions. To compare, simplify and find fractions of amounts. To perform the four operations with fractions. <p>Enrichment/life and work skills:</p> <p>STEM: fractional substitution. Kelvin→Celsius and inverse.</p> <p>Numeracy drop-down day.</p> <p>Assessments</p> <p>Unit Tests and Autumn 2 Assessment</p> <p><u>Feed Forward lessons</u> to improve student knowledge following Autumn 2 assessment.</p>



	Core Year 7	Term	Higher Year 7
<p>Spring 1</p> <p><u>Literacy / numeracy foci</u> Key definitions. Oracy to present answers in the correct literate manner but also to articulate problem solving. Definitions in Knowledge Tests. <u>Homework</u> A minimum of 2 Hegarty Maths quizzes every week. <u>Revisiting, revising, remembering opportunities</u> Memri tasks on Hegarty Maths. Starters based on key KS2 knowledge. Low-stakes knowledge tests</p>	<p>Unit of work: Unit 5 Fractions and Percentages and Unit 6 Probability Assessment objectives:</p> <ul style="list-style-type: none"> To perform the four operations with fractions. To compare and simplify fractions. To find fractions of amounts. To calculate percentages of amounts To understand and describe events using the language of probability. To calculate with probability. To complete sample space and list outcomes. <p>Enrichment/life and work skills:</p> <ul style="list-style-type: none"> Key literacy involving fractions: denominator, numerator, divisor etc. Percentages in everyday life. FINANCE: expected outcomes Everyday situations. The Monty Hall Dilemma. <p>Assessments: Topic Tests and Spring 1 Assessment <u>Feed Forward</u> following Assessment to fill gaps in knowledge and skills.</p>	<p>Spring 1</p> <p><u>Literacy / numeracy foci</u> Key definitions. Oracy to present answers in the correct literate manner but also to articulate problem solving. Definitions in Knowledge Tests. <u>Homework</u> A minimum of 2 Hegarty Maths quizzes every week. <u>Revisiting, revising, remembering opportunities</u> Memri tasks on Hegarty Maths. Starters based on key KS2 knowledge. Low-stakes knowledge tests</p>	<p>Unit of work: Unit 5 Angles and Shape and Unit 6 Decimals Assessment objectives:</p> <ul style="list-style-type: none"> To calculate angles in polygons, parallel lines and around a point To complete calculations with decimals. <p>Enrichment/life and work skills:</p> <ul style="list-style-type: none"> Decimals measures such as conversion between units. Debate on the metric v. imperial units History of the metric and imperial systems link to empire. <p>Assessments: Unit Tests and Spring 1 Assessment <u>Feed Forward</u> following Assessment to fill gaps in knowledge and skills.</p>
<p>Spring 2</p> <p><u>Literacy / numeracy foci</u> Key definitions. Oracy to present answers in the correct literate manner but also to articulate problem solving. Definitions in Knowledge Tests. <u>Homework</u> A minimum of 2 Hegarty Maths quizzes every week. <u>Revisiting, revising, remembering opportunities</u> Memri tasks on Hegarty Maths. Starters based on key KS2</p>	<p>Unit of work: Unit 7 Ratio and Proportion and Unit 8 Lines and Angles Assessment objectives:</p> <ul style="list-style-type: none"> To understand direct proportion and the unitary method of proportion To simplify ratio To share an amount in a ratio To compare fractions and percentages as proportions To find angles in triangles, quadrilaterals, straight lines and around a point. To construct lines and angles. <p>Enrichment/life and work skills:</p> <ul style="list-style-type: none"> Cross-curricular: Technology, Art and Design with recipe and ratios. STEM: Calculating angles and constructions applicable to architecture, engineering and design. <p>Assessments: Topic Tests and Spring 2 Assessment. <u>Feed Forward</u> following Assessment to fill gaps in knowledge and skills.</p>	<p>Spring 2</p> <p><u>Literacy / numeracy foci</u> Key definitions. Oracy to present answers in the correct literate manner but also to articulate problem solving. Definitions in Knowledge Tests. <u>Homework</u> A minimum of 2 Hegarty Maths quizzes every week. <u>Revisiting, revising, remembering opportunities</u> Memri tasks on Hegarty Maths. Starters based on key KS2 knowledge. Low-stakes knowledge tests</p>	<p>Unit of work: Unit 7 Equations Assessment objectives:</p> <ul style="list-style-type: none"> To be able to form and solve equations. End point: All students should be able to solve complex linear equations. This will include equations with variables on both sides and brackets. This will include negative terms. An example endpoint equation would be “Solve $4(2-3x)=3-2(4x+2)$” <p>Enrichment/life and work skills</p> <ul style="list-style-type: none"> Interleave with unit 3 and with angles through forming and solving equations. NRICH Activities <p>Assessments Unit 7 Test and Spring 2 Assessment <u>Feed Forward</u> following Assessment to fill gaps in knowledge and skills.</p>



Core Year 7		Term	Higher Year 7
<p>Summer 1</p> <p><u>Literacy / numeracy foci</u> Key definitions. Oracy to present answers in the correct literate manner but also to articulate problem solving. Definitions in Knowledge Tests. <u>Homework</u> A minimum of 2 Hegarty Maths quizzes every week. <u>Revisiting, revising, remembering opportunities</u> Memri tasks on Hegarty Maths. Starters based on key KS2 knowledge. Low-stakes knowledge tests</p>	<p>Unit of work: Unit 9 Sequences and Line Graphs GCSE Assessment objectives:</p> <ul style="list-style-type: none"> To find the next terms in a sequence, identify term to term rules and recognise if a term is in a sequence. To understand arithmetic, geometric and Fibonacci sequence. To plot linear graphs in the form $y=mx+c$ <p>Enrichment/life and work skills</p> <ul style="list-style-type: none"> Fibonacci Sequence and other famous sequences <p>Assessments: Unit 9 Test and Summer 1 Assessment <u>Feed Forward</u> following Assessment to fill gaps in knowledge and skills.</p>	<p>Summer 1</p> <p><u>Literacy / numeracy foci</u> Key definitions. Oracy to present answers in the correct literate manner but also to articulate problem solving. Definitions in Knowledge Tests. <u>Homework</u> A minimum of 2 Hegarty Maths quizzes every week. <u>Revisiting, revising, remembering opportunities</u> Memri tasks on Hegarty Maths. Starters based on key KS2 knowledge. Low-stakes knowledge tests</p>	<p>Unit of work: Unit 8 Multiplicative Reasoning and Unit 9 Perimeter, Area and Volume Assessment objectives:</p> <ul style="list-style-type: none"> To recognise direct and inverse proportion. To use the unitary method of proportion. Use algebra to solve direct proportion To calculate perimeter, area and volume. <p>Enrichment/life and work skills:</p> <ul style="list-style-type: none"> Unitary method supermarket challenge. Logic problems relating to direct and inverse proportion. 60 students will take part in the UKMT maths challenge. <p>Assessments: Unit Tests and Summer 1 Assessment <u>Feed Forward</u> following Assessment to fill gaps in knowledge and skills.</p>
<p>Summer 2</p> <p><u>Literacy / numeracy foci</u> Key definitions. Oracy to present answers in the correct literate manner but also to articulate problem solving. Definitions in Knowledge Tests. <u>Homework</u> A minimum of 2 Hegarty Maths quizzes every week. <u>Revisiting, revising, remembering opportunities</u> Memri tasks on Hegarty Maths. Starters based on key KS2 knowledge. Low-stakes knowledge tests</p>	<p>Unit of work: Unit 10 Transformations GCSE Assessment objectives:</p> <ul style="list-style-type: none"> To describe and write translations, reflections, rotations and enlargements <p>Enrichment/life and work skills: NRICH Tasks</p> <p>Assessments Unit 10 Tasks and End of Year Assessment <u>Feed Forward</u> following Assessment to fill gaps in knowledge and skills.</p>	<p>Summer 2</p> <p><u>Literacy / numeracy foci</u> Key definitions. Oracy to present answers in the correct literate manner but also to articulate problem solving. Definitions in Knowledge Tests. <u>Homework</u> A minimum of 2 Hegarty Maths quizzes every week. <u>Revisiting, revising, remembering opportunities</u> Memri tasks on Hegarty Maths. Starters based on key KS2 knowledge. Low-stakes knowledge tests</p>	<p>Unit of work: Unit 10 Sequences and Graphs Assessment objectives:</p> <ul style="list-style-type: none"> To construct linear graphs. To find the nth term of linear sequences. <p>Enrichment/life and work skills</p> <ul style="list-style-type: none"> Use of linear functions to represent speed, distance, time, fixed cost etc. <p>Assessments Unit Tests and End of Year Assessment <u>Feed Forward</u> following Assessment to fill gaps in knowledge and skills.</p>



ISI	Core Year 8	Term	Higher Year 8
<p>Autumn 1</p> <p><u>Literacy / numeracy foci</u> Key definitions. Oracy to present answers in the correct literate manner but also to articulate problem solving. Definitions in Knowledge Tests. <u>Homework</u> A minimum of 2 Hegarty Maths quizzes every week. <u>Revisiting, revising, remembering opportunities</u> Memri tasks on Hegarty Maths. Starters based on key KS2 knowledge. Low-stakes knowledge tests Interleaving: Link to algebra(expressions and equations of volume/surface area)</p>	<p>Unit of work: Unit 1 Number and Unit 2 Area and Volume</p> <p>Assessment objectives:</p> <ul style="list-style-type: none"> To calculate with negatives, roots and powers To find factors multiples and primes To substitute numbers into expressions To calculate area and volume of shapes <p>Enrichment/life and work skills: NRICH Tasks: Arithamagons 5 on the clock Negative Dice Game of 24 (MPN physical resource)</p> <p>Assessments: Unit Tests and Autumn 1 Assessment <u>Feed Forward</u> following Assessment to fill gaps in knowledge and skills.</p>	<p>Autumn 1</p> <p><u>Literacy / numeracy foci</u> Key definitions. Oracy to present answers in the correct literate manner but also to articulate problem solving. Definitions in Knowledge Tests. <u>Homework</u> A minimum of 2 Hegarty Maths quizzes every week. <u>Revisiting, revising, remembering opportunities</u> Memri tasks on Hegarty Maths. Starters based on key KS2 knowledge. Low-stakes knowledge tests</p>	<p>Unit of work: Unit 1 Factors and Powers and Unit 2 Working with Powers</p> <p>Assessment objectives:</p> <ul style="list-style-type: none"> To write numbers as factors, multiples and primes. To find the HCF and LCM. To know the rules of indices <p>Enrichment/life and work skills:</p> <ul style="list-style-type: none"> Other types of number such as triangular. Key sequences: cubic, square and Fibonacci. Understand integer, irrational and their historical/philosophical roots. <p>Assessments Unit Tests and Autumn 1 Assessment <u>Feed Forward</u> following Assessment to fill gaps in knowledge and skills.</p>
<p>Autumn 2</p> <p><u>Literacy / numeracy foci</u> Key definitions. Oracy to present answers in the correct literate manner but also to articulate problem solving. Definitions in Knowledge Tests. <u>Homework</u> A minimum of 2 Hegarty Maths quizzes every week. <u>Revisiting, revising, remembering opportunities</u> Memri tasks on Hegarty Maths. Starters based on key KS2 knowledge.</p>	<p>Unit of work: Unit 4 Expressions and Equations Unit 5 Real-Life Line Graphs</p> <p>Assessment objectives:</p> <ul style="list-style-type: none"> To be able to factorise, expand and simplify algebraic expressions. To be able to form and solve algebraic expressions and equations. To be able to construct and interpret real life graphs <p>Enrichment/life and work skills: STEM: Real life graphs relating to science, finance and business. Introduce famous graphs such as the Laffer Curve</p> <p>Assessments: Unit 4 and 5 Tests and Autumn 2 Assessment <u>Feed Forward</u> following Assessment to fill gaps in knowledge and</p>	<p>Autumn 2</p> <p><u>Literacy / numeracy foci</u> Key definitions. Oracy to present answers in the correct literate manner but also to articulate problem solving. Definitions in Knowledge Tests. <u>Homework</u> A minimum of 2 Hegarty Maths quizzes every week. <u>Revisiting, revising, remembering opportunities</u> Memri tasks on Hegarty Maths. Starters based on key KS2 knowledge.</p>	<p>Unit of work: Unit 3 2D and 3D Shapes and Unit 4 Real Life-Graphs</p> <p>Assessment objectives:</p> <ul style="list-style-type: none"> To map 2D and 3D shape To construct and interpret real-life graphs. <p>Enrichment/life and work skills:</p> <ul style="list-style-type: none"> Real-Life Graphs and their context. STEM: Plans and elevation. <p>Assessments: Unit Tests and Autumn 2 Assessment <u>Feed Forward</u> following Assessment to fill gaps in knowledge and skills.</p>



Core Year 8		Term	Higher Year 8
<p>Spring 1</p> <p><u>Literacy / numeracy foci</u> Key definitions. Oracy to present answers in the correct literate manner but also to articulate problem solving. Definitions in Knowledge Tests. <u>Homework</u> A minimum of 2 Hegarty Maths quizzes every week. <u>Revisiting, revising, remembering opportunities</u> Memri tasks on Hegarty Maths. Starters based on key KS2 knowledge.</p>	<p>Unit of work: Unit 6 Decimals and Ratio and Unit 7 Lines and Angles</p> <p>Assessment objectives:</p> <ul style="list-style-type: none"> To calculate with decimals and ratio. To find angles in polygons. <p>Enrichment/life and work skills: STEM: using ratio</p> <p>Interleaving: Revisit of Year 7 curriculum</p> <p>Assessments Unit Tests and Spring 1 Assessment</p> <p><u>Feed Forward</u> following Assessment to fill gaps in knowledge and skills.</p>	<p>Spring 1</p> <p><u>Literacy / numeracy foci</u> Key definitions. Oracy to present answers in the correct literate manner but also to articulate problem solving. Definitions in Knowledge Tests. <u>Homework</u> A minimum of 2 Hegarty Maths quizzes every week. <u>Revisiting, revising, remembering opportunities</u> Memri tasks on Hegarty Maths. Starters based on key KS2 knowledge. Low-stakes knowledge tests</p>	<p>Unit of work: Unit 5 Transformations and Unit 6 Fractions, Decimals and Percentages</p> <p>Assessment objectives:</p> <ul style="list-style-type: none"> To reflect, rotate, enlarge and translate shapes. To describe transformations To calculate with fractions, decimals and percentages. To compare and order fractions, decimals and percentages. <p>Enrichment/life and work skills: NRICH Tasks</p> <p>Assessments Unit tests and Spring 1 Assessments</p> <p><u>Feed Forward</u> following Assessment to fill gaps in knowledge and skills.</p>
<p>Spring 2</p> <p><u>Literacy / numeracy foci</u> Key definitions. Oracy to present answers in the correct literate manner but also to articulate problem solving. Definitions in Knowledge Tests. <u>Homework</u> A minimum of 2 Hegarty Maths quizzes every week. <u>Revisiting, revising, remembering opportunities</u> Memri tasks on Hegarty Maths. Starters based on key KS2 knowledge. Low-stakes knowledge tests</p>	<p>Unit of work: Unit 8 Fractions</p> <p>Assessment objectives:</p> <ul style="list-style-type: none"> To order and compare fractions. To perform the four operations with fractions. To perform calculations with mixed numbers. <p>Enrichment/life and work skills Interleaving with topics such as percentages, ratio and decimals.</p> <p>Assessments: Unit 8 Test and Spring 2 Assessment</p> <p><u>Feed Forward</u> following Assessment to fill gaps in knowledge and skills.</p>	<p>Spring 2</p> <p><u>Literacy / numeracy foci</u> Key definitions. Oracy to present answers in the correct literate manner but also to articulate problem solving. Definitions in Knowledge Tests. <u>Homework</u> A minimum of 2 Hegarty Maths quizzes every week. <u>Revisiting, revising, remembering opportunities</u> Memri tasks on Hegarty Maths. Starters based on key KS2 knowledge. Low-stakes knowledge tests</p>	<p>Unit of work: Unit 7 Multiplicative Reasoning</p> <p>Assessment objectives:</p> <ul style="list-style-type: none"> To use the unitary method of proportion to calculate answers. To recognise the difference between direct and inverse proportion. To be able to use algebra to solve both direct and inverse proportion problems. <p>Enrichment/life and work skills: Proportionality and the idea as a common conception.</p> <p>Assessments: Unit Test and Spring 2 Assessment</p> <p><u>Feed Forward</u> following Assessment to fill gaps in knowledge and skills.</p>



	Core Year 8	Term	Higher Year 8
<p>Summer 1</p> <p><u>Literacy / numeracy foci</u> Key definitions. Oracy to present answers in the correct literate manner but also to articulate problem solving. Definitions in Knowledge Tests. <u>Homework</u> A minimum of 2 Hegarty Maths quizzes every week. <u>Revisiting, revising, remembering opportunities</u> Memri tasks on Hegarty Maths. Starters based on key KS2 knowledge. Low-stakes knowledge tests</p>	<p>Unit of work: Unit 9 straight line graphs and Unit 10 Percentages, Decimals and Fractions. Assessment objectives:</p> <ul style="list-style-type: none"> To plot linear graphs. To convert between fractions, decimals and percentages. <p>Enrichment/life and work skills:</p> <ul style="list-style-type: none"> Linear graphs linked to life and work. For example gradient representations of speed or fixed charged billing. <p>Assessments Unit Tests and Summer 1 Assessment <u>Feed Forward</u> following Assessment to fill gaps in knowledge and skills.</p>	<p>Summer 1</p> <p><u>Literacy / numeracy foci</u> Key definitions. Oracy to present answers in the correct literate manner but also to articulate problem solving. Definitions in Knowledge Tests. <u>Homework</u> A minimum of 2 Hegarty Maths quizzes every week. <u>Revisiting, revising, remembering opportunities</u> Memri tasks on Hegarty Maths. Starters based on key KS2 knowledge. Low-stakes knowledge tests</p>	<p>Unit of work: Unit 8 Probability and Unit 9 Scale Drawings and Measurements Assessment objectives:</p> <ul style="list-style-type: none"> To understand key words surrounding probability. To calculate probabilities. To construct sample space to calculate probability. To convert between units and construct scale drawings. <p>Enrichment/life and work skills:</p> <ul style="list-style-type: none"> Interleave fractions, decimals and percentages with probability. FINANCE: probability in finance The Monty Hall problem 60 students will take part in the national UKMT maths challenge. <p>Assessments Unit Tests and Summer 1 Assessment. <u>Feed Forward</u> following Assessment to fill gaps in knowledge and skills.</p>
<p>Summer 2</p> <p><u>Literacy / numeracy foci</u> Key definitions. Oracy to present answers in the correct literate manner but also to articulate problem solving. Definitions in Knowledge Tests. <u>Homework</u> A minimum of 2 Hegarty Maths quizzes every week. <u>Revisiting, revising, remembering opportunities</u> Memri tasks on Hegarty Maths. Starters based on key KS2 knowledge. Low-stakes knowledge tests</p>	<p>Unit of work: Revision Work and Statistics, Tables and Diagrams Assessment objectives:</p> <ul style="list-style-type: none"> To be able to construct and interpret a variety of graphs. Time to revise and revisit topics to embed learning in long-term memory. <p>Enrichment/life and work skills:</p> <ul style="list-style-type: none"> Science/Maths collaboration on data and sharing results. Enrichment: Students investigate their own data such as time taken to get to school. Graphs of key themes and features of other subjects. <p>Assessments: End of Year Assessment and KS3 Assessment in Year 9 <u>Feed Forward</u> following Assessment to fill gaps in knowledge and skills.</p>	<p>Summer 2</p> <p><u>Literacy / numeracy foci</u> Key definitions. Oracy to present answers in the correct literate manner but also to articulate problem solving. Definitions in Knowledge Tests. <u>Homework</u> A minimum of 2 Hegarty Maths quizzes every week. <u>Revisiting, revising, remembering opportunities</u> Memri tasks on Hegarty Maths. Starters based on key KS2 knowledge. Low-stakes knowledge tests</p>	<p>Unit of work: Unit 10 Graphs Assessment objectives:</p> <ul style="list-style-type: none"> To construct linear graphs. To find the gradient and intercepts. To recognise quadratic and cubic graphs. <p>Enrichment/life and work skills Use of linear functions in relation to STEM, finance and other examples of everyday life.</p> <p>Assessments: Unit tests and End of Year Assessment <u>Feed Forward</u> following Assessment to fill gaps in knowledge and skills.</p>



Shugri Omar Year 7

In Maths this year we have learned about lots of different topics including algebra, number, shape and probability. I have enjoyed learning about equations because I did not know how to do it at the start of the year and now I feel really confident to solve difficult equations. Apart from equations I have also enjoyed learning about averages and going over them this year means I now remember it by heart.

I also like how in Maths I have been able to do extra activities. In the first term I got the opportunity to see Maths outside the classroom when I visited Brunel University to take part in a STEM challenge against other schools. It was really fun. I also did the UKMT Maths Challenge in June. We had to sit a paper it was really challenging but fun. I did not win a certificate this year but I want to try and win one next year.