

Whole School

Sheeran / Rowntree

The Farmhouse Primary Maths Curriculum, offers an interactive and hands-on approach to mathematics. We consider learning styles, presenting mathematical concepts visually and orally, and the opportunities to touch objects and grasp elusive concepts. We use manipulatives which can be handled to enhance the maths experience, including blocks, and number lines for counting and performing simple maths operations; spinners, clocks for telling-time and paper money and coins for units on counting and changing money. Students use software to reinforce maths concepts such as addition, subtraction, multiplication and division. Students are assisted to utilise all the right brain elements, through visuals in colour that lead a student to absorb the content in a glance. Numbers are arranged in patterns so students don't rely on memorisation of individual facts, body motions and hands-on activities provide understanding and hooks memory for active, investigative and tactile learners. Maths is taught in specific lessons, however students practise and use maths throughout the school day. The use of mathematical vocabulary during everyday activities is key, to help students practise and build their understanding using a range of words and phrases.

Hockney

Maths is taught through separate discreet maths and numeracy lessons. Maths lessons concentrate on building skills necessary to acquire accredited qualifications where students work towards ELC certificates. Numeracy is used to support gaps in learning and fulfil termly targets such as 'Count from zero in multiples of 8 and 9' and 'Solve problems involving days, weeks, months, years'. My Maths tasks are completed weekly by students.

Frayne

Maths in Year 9 is delivered in a differentiated manner, to enable learners at different levels to make progress. Pupils work towards a qualification in either Entry Level Certificates (Level 1-3) or start Functional Skills Level One. This is determined from the stage the student had achieved at the end of Year 8. We work alongside staff from Hockney to ensure that areas missed previous education or those the pupils is still struggling to access is targeted in Year 9. Students work in small groups which are differentiated and with a member of staff leading each of these. Students work at their own pace to complete all eight externally set units from the exam board. They then complete an internal unit in which ever area they are weakest in at the end of the course, to ensure that they are ready to enter Year 10 successfully. ICT is used to support and embed learning through the My Maths program, this is accessed by all pupils on a regular basis and work is linked to the topic they are currently working on. Learning in the class room is designed to support each student's independent needs, with visual, practical and auditory learners catered for. Pupils are encouraged to use the correct Mathematical Vocabulary and used Numeracy Maths when appropriate to support learning. Numeracy lessons support this learning and are brought into other subjects taught in the curriculum to link with this.

Brownlee

Maths is taught through separate discreet maths and numeracy lessons. Maths lessons concentrate on building skills necessary to acquire accredited qualifications where students work towards Functional Skills certificates. Numeracy is used to support gaps in learning and fulfil termly targets.

	<u>AUTUMN TERM</u>		<u>SPRING TERM</u>		<u>SUMMER TERM</u>	
Learning Group	Theme / topic/ Syllabus	Theme/ topic/ Syllabus	Theme/ topic/ Syllabus	Theme/ topic/ Syllabus	Theme/ topic/ Syllabus	Theme/ topic/ Syllabus
Sheeran	Number – bonds, place value ordering, column addition,	Number – money and measure Number – worded questions	Number – sequences Number - More than / Less than Sequence instructions	Exploring Time Time – Days of the week, Months of the year, Telling the time	Measuring Space	Multiplication and Division
Rowntree	Multiplication and Division	Exploring Time Telling the time	Number – bonds, place value ordering, column addition,	Exploring Fractions	Measuring Space	Money
Hockney	<u>Numeracy</u> Termly Targets My Maths Space and Shape	<u>Numeracy</u> 2D/3D shapes revision – geo boards. Vocab and spelling – shapes and properties Angles and measuring –	<u>Numeracy</u> Termly Targets My Maths Time	<u>Numeracy</u> Learn the order of the days of the week and months of the year Tell Time accurately Explore using Calendars	<u>Numeracy</u> Termly Targets My Maths Data Handling	<u>Numeracy</u> Pictograms, bar charts, gathering and interpreting data – outdoor learning

		packing shapes problem solving. 3D nets Shape bingo – embed all knowledge.		Geometric patterns - symmetry, counting, shapes, repeat pattern.		
Frayne	<p>Entry Level Certificate- Units 1-8</p> <p>External Units with Test (AQA) -Properties of Number, The Four Operations, Ratio, Money, Time and Calendar, Measurement, Geometry and Statistics. Pupils work in differentiated small groups to complete these at their own pace.</p> <p>My Maths to support and embed learning.</p> <p>Functional Skills Level 1- (Beginning of)</p> <p>Worded Questions/ Tables, diagrams, charts and graphs/ Mean and range, common fractions, decimals and percentages/Area and perimeter of common shapes find volume of common shapes/ Ratio & proportion, Decimals, Metric and Imperial measures.</p>					<p>Entry Level Certificate</p> <p>Internal Unit in one of the 8 required units.</p> <p>(set to each student independently to support their weakest area)</p> <p>Revision Techniques.</p>
Ennis	<p>Entry Level Certificate</p> <p>Functional Skills Level 1 Ratio, Decimals, Common Measures including length</p> <p>Functional Skills level 2 Ratio & proportion, Decimals, Metric and Imperial measures</p>	<p>Entry Level Certificate</p> <p>Functional Skills Level 1 Tables, diagrams, charts and graphs</p> <p>Mean and range</p> <p>Common fractions, decimals and percentages</p> <p>Functional Skills level 2 Area and perimeter of common shapes</p> <p>Find volume of common shapes</p>	<p><i>Functional Skills Level 1 / 2 exams</i></p> <p>Revision techniques</p> <p>Functional Skills Level 1 Prisms / units cubed / volume</p> <p>Functional Skills level 2 Cylinder / cone – volume</p>	<p>Entry Level Certificate</p> <p>Functional Skills Level 1 Use probability to assess the likelihood of an outcome</p> <p>Functional Skills level 2 Understand and use simple formulae and equations involving one- or two-step operations</p>	<p>Entry Level Certificate</p> <p>Functional Skills Level 1 Construct geometric diagrams and models and shapes</p> <p>Functional Skills level 2 Collect and represent discrete and continuous data</p>	<p><i>Functional Skills Level 1 / 2 exams</i></p> <p>Functional Skills Level 1 Revision techniques</p> <p>Functional Skills level 2 Revision techniques</p>

Brownlee	<p>Functional Skills Level 1 Ratio, Decimals, Common Measures including length</p> <p>Functional Skills level 2 Ratio & proportion, Decimals, Metric and Imperial measures</p> <p>Number games (dominoes, maths sons, problem solving, bingo, number tiles) My Maths Multiplication of numbers</p>	<p>Functional Skills Level 1 Tables, diagrams, charts and graphs</p> <p>Mean and range</p> <p>Common fractions, decimals and percentages</p> <p>Functional Skills level 2 Area and perimeter of common shapes</p> <p>Find volume of common shapes</p> <p>Number games (dominoes, maths sons, problem solving, bingo, number tiles) My Maths Multiplication of numbers</p>	<p><i>Functional Skills Level 1 / 2 exams</i></p> <p>Revision techniques</p> <p>Functional Skills Level 1 Prisms / units cubed / volume</p> <p>Functional Skills level 2 Cylinder / cone – volume</p> <p>Number games (dominoes, maths sons, problem solving, bingo, number tiles) My Maths Multiplication of numbers calculating ratio and proportion, including problems involving scale constructing geometric diagrams, models and shapes</p>	<p>Functional Skills Level 1 Use probability to assess the likelihood of an outcome</p> <p>Functional Skills level 2 Understand and use simple formulae and equations involving one- or two-step operations</p> <p>Number games (dominoes, maths sons, problem solving, bingo, number tiles) My Maths Multiplication of numbers calculating ratio and proportion, including problems involving scale constructing geometric diagrams, models and shapes</p>	<p>Functional Skills Level 1 Construct geometric diagrams and models and shapes</p> <p>Functional Skills level 2 Collect and represent discrete and continuous data</p> <p>Number games (dominoes, maths sons, problem solving, bingo, number tiles) My Maths Support/revision for maths exams</p>	<p>Functional Skills Level 1 Revision techniques</p> <p>Functional Skills level 2 Revision techniques</p> <p>Number games (dominoes, maths sons, problem solving, bingo, number tiles) My Maths Support/revision for maths exams</p>
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