

# **Curriculum Area Overview Mathematics**

### The vision for Mathematics.

The skills of mathematics are essential for everyday life and vital for understanding the world around us; counting, handling money, telling the time, measurement, organising space, recording and interpreting numerical and graphical data and using ICT. Being numerate will greatly improve the life chances of our children and young people.

We want to give Mowbray children and young people a real life understanding of Mathematics. We want to develop mathematicians who can calculate and think 'What is the best way to solve this problem?' and know which strategies to draw upon to do so.

We will strive for Mowbray children and young people to be inquisitive, curious mathematicians who can see the connections between different areas of mathematics, the wider curriculum and the world around them.

## **Our School Ethos and Values**

Our school ethos is SURE and underpins all learning and values that parents, children, young people and staff share and wish to promote and develop here. SURE stands for 'Achieving Success through Understanding, Respect and Endeavour'.

#### **Our School Mission Statement**

We provide the best education for all our children and young people so that when they leave our school they have the skills, knowledge and aspirations to lead fulfilling lives as adults.

#### **Our Vision**

We believe that children and young people thrive when encouraged and supported; they respond to being treated in a positive and nurturing manner. The principles that comprise SURE are valued by both children and staff. They reflect our desire to help children and young people to understand their difficulties, support their wellbeing, develop respect for themselves and others and become successful in what they do and achieve throughout their time in school and into adulthood.

#### Mowbray Curriculum Intent

The intention of our curriculum is to create personalised learning opportunities based around individual EHCP outcomes and academic progress to successfully prepare our pupils for each stage of transition and life after school. At Mowbray School, we believe in providing our children and young people with the best possible start to their education and that we establish the building blocks for their future learning from the moment they start with us. We have high expectations of all children and young people we understand the vital role that early intervention has in providing aspirational outcomes into adulthood.

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|   |   | Curriculum Intent for Mathematics   |  |  |  |  |  |  |
|---|---|---|--|--|--|--|--|--|
| EYFS  |   |   |  |  |  |  |  |  |
|   |   |   |  |  |  |  |  |  |
|   |   |   |  |  |  |  |  |  |
| <ul> <li>ur curriculum will:</li> <li>Start the learning journey for each child at the stage they arri</li> </ul>   | ive at Mowhray  |   |  |  |  |  |  |  |
| <ul> <li>Prepare the children for their next step in life</li> </ul>  |   |   |  |  |  |  |  |  |
| • Develop an interest and curiosity in maths in the wider world   |   |   |  |  |  |  |  |  |
| Begin to lay the foundations of mathematical knowledge     Deliver learning activities to ansure that the processes of learning   | rning progresses from sensory beginnings, moving towards co   | inting symbolic representation, abstract thinking and bogingin  |  |  |  |  |  |  |
| • Deriver rearring activities to ensure that the processes of ead   | ming progresses from sensory beginnings, moving towards co  |   |  |  |  |  |  |  |
| •   |   |   |  |  |  |  |  |  |
| ur curriculum will be broadened by:   |   |   |  |  |  |  |  |  |
| SPCC – number day<br>Maths themed day (previously broomsticks and bonfires)   |   |   |  |  |  |  |  |  |
| Maths themed day (previously broomsticks and bonines)<br>Mathseeds  |   |   |  |  |  |  |  |  |
|   |   |   |  |  |  |  |  |  |
|   |   |   |  |  |  |  |  |  |
| <u>Arich activities</u><br>Aaths focused reading books with mathematical activities   |   |   |  |  |  |  |  |  |
| Vrich activities  |   |   |  |  |  |  |  |  |
| <u>Arich activities</u><br>Aaths focused reading books with mathematical activities   |   |   |  |  |  |  |  |  |
| Arich activities<br>Aaths focused reading books with mathematical activities<br>ttention Autism   | Primary Formal Pastoral   | Primary Formal  |  |  |  |  |  |  |
| <u>Arich activities</u><br>Aaths focused reading books with mathematical activities   | Primary Formal Pastoral   | Primary Formal  |  |  |  |  |  |  |
| Irich activities<br>Maths focused reading books with mathematical activities<br>tention Autism<br>Primary Semi-Formal   |   | Primary Formal<br>Our curriculum will:  |  |  |  |  |  |  |
| rich activities<br>laths focused reading books with mathematical activities<br>tention Autism<br>Primary Semi-Formal<br>ur curriculum will:<br>• Build on the previous learning the child brings into the semi-   | Our curriculum will:  | Our curriculum will:<br>• Develop and nature mathematical thinking to ensure  |  |  |  |  |  |  |
| In the activities<br>Iaths focused reading books with mathematical activities<br>tention Autism<br>Primary Semi-Formal<br>ur curriculum will:<br>• Build on the previous learning the child brings into the semi-<br>formal pathway   | Our curriculum will: <ul> <li>Develop and nature mathematical thinking to ensure real understanding and support essential life skills</li> </ul>  | Our curriculum will: <ul> <li>Develop and nature mathematical thinking to ensure real understanding and support essential life skills</li> </ul>  |  |  |  |  |  |  |
| Irich activities<br>Maths focused reading books with mathematical activities<br>tention Autism<br>Primary Semi-Formal<br>ur curriculum will:<br>• Build on the previous learning the child brings into the semi-<br>formal pathway<br>• Engage and challenge the children to make progress  | Our curriculum will:  | Our curriculum will:<br>• Develop and nature mathematical thinking to ensure  |  |  |  |  |  |  |
| Irich activities         Maths focused reading books with mathematical activities         tention Autism         Primary Semi-Formal         ur curriculum will:         • Build on the previous learning the child brings into the semiformal pathway         • Engage and challenge the children to make progress         • Widen the children's knowledge and understanding of the mathematical world. | <ul> <li>Our curriculum will:</li> <li>Develop and nature mathematical thinking to ensure real understanding and support essential life skills</li> <li>Deliver learning activities to ensure that the processes of learning progresses from sensory beginnings, moving towards counting, symbolic</li> </ul> | Our curriculum will: <ul> <li>Develop and nature mathematical thinking to ensure real understanding and support essential life skills</li> <li>Ensure all learners are secure with the foundations or</li> </ul>  |  |  |  |  |  |  |
| Irich activities<br>Maths focused reading books with mathematical activities<br>Itention Autism<br>Primary Semi-Formal<br>ur curriculum will:<br>Build on the previous learning the child brings into the semi-<br>formal pathway<br>Engage and challenge the children to make progress<br>Widen the children's knowledge and understanding of the  | <ul> <li>Our curriculum will:</li> <li>Develop and nature mathematical thinking to ensure real understanding and support essential life skills</li> <li>Deliver learning activities to ensure that the processes of learning progresses from sensory</li> </ul>   | <ul> <li>Our curriculum will:</li> <li>Develop and nature mathematical thinking to ensure real understanding and support essential life skills</li> <li>Ensure all learners are secure with the foundations o mathematical thinking, including knowledge of the kereit</li> </ul> |  |  |  |  |  |  |

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| towards counting, symbolic representation, a<br>and beginning the processes of addition and<br>subtraction and calculations.   | <ul> <li>Subtraction</li> <li>Widen the ensure the learning of</li> <li>Ensure yo (mental, w)</li> </ul> | of addition and<br>n and calculations.<br>mathematical knowledge of the children to<br>ey are ready for the next step in their<br>nce they join secondary<br>ung people can make efficient calculations<br>rritten and with a calculator).<br>Dung people become resilient problem | • Ensure young people can make efficient calculations (mental, written and with a calculator). |  |  |
|--|--|--|--|--|--|
|  | Curi   | riculum Entitlement  |  |  |  |
| Our curriculum will be broadened by<br>NSPCC – number day<br>• Maths themed day (previously broomsticks and bor<br>•Mathseeds<br>• <u>Nrich activities</u><br>•Maths focused reading books with mathematical act<br>Attention Autism | nfires)<br>• Maths themed da<br>• Mathseeds and Su<br>• <u>Nrich activities</u>                          | • <u>Nrich activities</u><br>•Maths focused reading books with mathematical activities.  |  | iculum will be broadened by<br>– number day<br>themed day (previously broomsticks and bonfires)<br>g<br><u>ctivities</u><br>ocused reading books with mathematical activities. |  |
| Secondary Semi-Formal Secondary Formal Pas   |  | Secondary Formal   |  | Secondary Formal (A.R.E)   |  |





| Our curriculum will   | Our curriculum will   | Our curriculum will   | Our curriculum will  |
|---|---|---|--|
| <ul> <li>Support young people in their preparation</li> </ul> | <ul> <li>Maximise the development of young</li> </ul>       | <ul> <li>Motivate young people to engage with maths skills</li> </ul> | <ul> <li>Motivate young people to engage with the content.</li> </ul>      |
| for adulthood.  | peoples' numeracy skills. Including                         | to support them in their adulthood.                                   | <ul> <li>Ensure young people are secure in numeracy skills for</li> </ul>  |
| <ul> <li>Maximise the development of young</li> </ul>         | supporting them in understanding                            | <ul> <li>Give young people confidence telling the time,</li> </ul>    | adulthood (e.g., telling the time, using money and                         |
| peoples' numeracy skills. Including                           | counting, time and money.                                   | using money and practical measuring.                                  | practical measures)  |
| supporting them in understanding counting,                    | <ul> <li>Support young people</li> </ul>                    | <ul> <li>Give young people confidence counting and</li> </ul>         | <ul> <li>Ensure young people can make efficient calculations</li> </ul>    |
| time and money.   | <ul> <li>be fully differentiated to ensure young</li> </ul> | performing calculations (mental, written and with a                   | (mental, written and with a calculator).                                   |
| <ul> <li>Promote and enjoyment of numbers, shape</li> </ul>   | people are appropriately supported                          | calculator).  | <ul> <li>Support young people become resilient problem</li> </ul>          |
| and measure.  | and challenged.   | <ul> <li>Support young people become resilient problem</li> </ul>     | solvers.   |
| <ul> <li>Promote mathematical vocabulary and</li> </ul>       | <ul> <li>Link to other areas of the Mowbray</li> </ul>      | solvers.  | <ul> <li>Cover functional skills and GCSE content matching the</li> </ul>  |
| communication.  | curriculum including financial                              | <ul> <li>Link to other areas of the Mowbray curriculum</li> </ul>     | needs and ability of young people.   |
|   | capability.   | including financial capability.                                       | <ul> <li>Link to other areas of the Mowbray curriculum</li> </ul>          |
|   | <ul> <li>Promote mathematical vocabulary</li> </ul>         | <ul> <li>Promote mathematical vocabulary and</li> </ul>               | including financial capability.  |
|   | and communication.  | communication.  | <ul> <li>Promote mathematical vocabulary and<br/>communication.</li> </ul> |
|   | KS4 ONLY:   | KS4 ONLY:   |  |
|   | •Enable all young people to leave with                      | •Enable all young people to leave with Entry level                    | KS4 ONLY:  |
|   | Pre-entry and Entry level accreditation                     | accreditation to celebrate their attainment.                          | <ul> <li>Enable all young people to leave with Level 1 and/or</li> </ul>   |
|   | to celebrate their attainment.                              | •Support young people in Post 16 learning journey.                    |  |
|   | <ul> <li>Support young people in Post 16</li> </ul>         |   | attainment, while being mindful of their wellbeing.                        |
|   | learning journey.   |   | <ul> <li>Support young people in Post 16 learning journey.</li> </ul>      |
|   | <br>  | rriculum Entitlement  |  |





| Our curriculum will be broadened by   |
|---|---|---|---|
| <ul> <li>NSPCC – number day</li> </ul>  | <ul> <li>NSPCC – number day</li> </ul>  | <ul> <li>NSPCC – number day</li> </ul>  | NSPCC – number day  |
| <ul> <li>Maths themed day (previously</li> </ul>                                  | <ul> <li>Maths themed day (previously</li> </ul>                                  | <ul> <li>Maths themed day (previously broomsticks and</li> </ul>                  | <ul> <li>Maths themed day (previously broomsticks and bonfires)</li> </ul>        |
| broomsticks and bonfires)   | broomsticks and bonfires)   | bonfires)   | •Games such as shut the box, maths focused top trumps                             |
| •Mathseeds  | <ul> <li>Games such as shut the box, maths</li> </ul>                             | •Games such as shut the box, maths focused top                                    | & maths and financial boards games.   |
| • <u>Nrich activities</u>   | focused top trumps & maths and financial  | trumps & maths and financial boards games.  | •Chess club (Jan 2023)  |
| <ul> <li>Maths focused reading books with<br/>mathematical activities.</li> </ul> | boards games.   | •Chess club (Jan 2023)  | <ul> <li>Sumdog games, competitions and assessments.</li> </ul>                   |
|   | •Chess club (Jan 2023)  | •Sumdog games, competitions and assessments.                                      | Century online learning platform (personalised learning                           |
| ТАСРАС  | <ul> <li>Sumdog games, competitions and</li> </ul>                                | <u>Nrich activities &amp; challanges</u>  | at KS4 level of demand).  |
| Sensory stories   | assessments. Mathseeds is an alternative  | •The London Institute of Banking & Finance -                                      | <ul> <li>Nrich secondary activities &amp; challenges</li> </ul>                   |
| Intensive interaction   | online platform.  | Lessons in Financial Education (LiFE Level 1)                                     | •The London Institute of Banking & Finance - Lessons in                           |
| Attention Autism  | <u>Nrich activities &amp; challanges</u>  | <ul> <li>Maths focused reading books with mathematical<br/>activities.</li> </ul> | Financial Education (LiFE Level 1 & 2)  |
| Colourful semantics   | <ul> <li>Maths focused reading books with<br/>mathematical activities.</li> </ul> |   | <ul> <li>Maths focused reading books with mathematical<br/>activities.</li> </ul> |
| Augmentative and Alternative  | mathematical activities.  |   |   |
| Communication (AAC)   |   |   |   |
| Clicker Communicator  |   |   |   |
| Fine motor interventions; including the   |   |   |   |
| rainbow trail   |   |   |   |
| Puppets   |   |   |   |
| SALT intervention   |   |   |   |
| Cross curricular links through use of a   |   |   |   |
| thematic approach   |   |   |   |

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Whole School Maths SOW



|                    | Maths – Mowbra | y Steps (Jan 2023) | - Inc <u>Learning ladder</u>       | <u>s Links</u> & <u>MTP / ha</u> | l <u>f term overviews</u> . |          |
|--------------------|----------------|--------------------|------------------------------------|----------------------------------|-----------------------------|----------|
| KS1/2/3            | Autumn 1       | Autumn 2           | Spring 1                           | Spring 2                         | Summer 1 (Secondary         | Summer 2 |
|                    |                |                    | <u>MTP Step 6 – 17</u>             |                                  | 5 lessons per week)         |          |
| < Step 10          | Number         | Number             | Counting (2 Wks)                   |                                  | Time                        | Measures |
|                    | (4 Wks)        | (2 Wks)            | Learning ladders                   | Number & world                   | (4 Wks)                     | (2 Wks)  |
|                    |                | Money              |                                    | book day <mark>(2 Wks)</mark>    |                             | Number   |
|                    | Space & shape  | (2 Wks)            | Space & shape                      |                                  | Measures                    | (2 Wks)  |
|                    | (2 Wks)        | Time               | (2 Wks)                            | Space & shape                    | (2 Wks)                     |          |
|                    |                | (2 Wks)            |                                    | (4 Wks)                          |                             |          |
|                    |                |                    | Measures                           |                                  |                             |          |
|                    |                |                    | (2 Wks)                            |                                  |                             |          |
| Step 10 – 14       | Number         | Number             | Counting (1 Wk)                    | Number & world                   | Number                      | Measures |
| (Pre KS1)          | (4 Wks)        | (2 Wks)            | Learning ladders                   | book day <mark>(2 Wks)</mark>    | (1 Wk)                      | (2 Wks)  |
|                    |                | Money              | <u>SA &amp; K Vocab (S13 &amp;</u> |                                  | Statistics                  | Number   |
|                    | Space & shape  | (2 Wks)            | <u>14)</u>                         | Space & shape                    | (3 Wks)                     | (2 Wks)  |
|                    | (2 Wks)        | Time               | Number (±)                         | (2 Wks)                          | Measures                    |          |
|                    |                | (2 Wks)            | Learning ladders                   | Time (2 Wks)                     | (2 Wks)                     |          |
|                    |                |                    | Learning ladders                   |                                  |                             |          |
|                    |                |                    | SA & K Vocab                       |                                  |                             |          |
|                    |                |                    | (2 Wks)                            |                                  |                             |          |
|                    |                |                    | Space & shape                      |                                  |                             |          |
|                    |                |                    | (3 Wks)                            |                                  |                             |          |
| Step 15 & 16 (KS1) | Number         | Number             | Statistics (1-2 Wk)                | Number & world                   | Number                      | Measures |
|                    | (6 Wks)        | (2 Wks)            | Learning Ladders                   | book day (2 Wks)                 | (2 Wks)                     | (2 Wks)  |
|                    |                | Money              | SA & K Vocab (S15)                 |                                  | Statistics                  | Number   |
|                    |                | (2 Wks)            | SA & K Vocab (S16)                 | Geometry (2 Wks)                 | (2 Wks)                     | (2 Wks)  |
|                    |                | Time               | Number (±)                         |                                  | Measures                    |          |
|                    |                | (2 Wks)            | (2-3 Wks)                          | Time (2 Wks)                     | (2 Wks)                     |          |



|                     |                   |   | Learning ladders<br>SA & K Vocab (S15)<br>SA & K Vocab (S16)<br>Fractions (2-3 Wks)<br>Learning Ladders   |  |  |  |
|---------------------|-------------------|---|---|--|--|--|
| Step 17 & 18 (LKS2) | Number<br>(6 Wks) | Number<br>(2 Wks)<br>Money                    | Statistics (1-2 Wk)<br>Learning Ladders<br>SA & K Vocab (S17)   | Number & world<br>book day (2 Wks)                     | Number<br>(2 Wks)<br>Statistics                        | Measures<br>(2 Wks)<br>Number            |
|                     |                   | (2 Wks)<br>Time                               | <u>SA &amp; K Vocab (S18)</u><br>Number (4  | Geometry (2 Wks)                                       | (2 Wks)<br>Measures                                    | (2 Wks)                                  |
|                     |                   | (2 Wks)                                       | Operations)<br>(2-3 Wks)<br><u>Learning ladders</u><br><u>SA &amp; K Vocab (S17)</u><br><u>SA &amp; K Vocab (S18)</u><br>Fractions (2-3 Wks)<br><u>Learning Ladders</u> | Time (2 Wks)   | (2 Wks)  |  |
| Step 19 & 20 (UKS2) | Number<br>(6 Wks) | Number<br>(2 Wks)<br>Money<br>(2 Wks)<br>Time | Statistics (1-2 Wk)<br><u>Learning Ladders</u><br><u>SA &amp; K Vocab (S19-20)</u><br>Number<br>(4 Operations) &  | Number & world<br>book day (2 Wks)<br>Geometry (2 Wks) | Number<br>(2 Wks)<br>Statistics<br>(2 Wks)<br>Measures | Measures<br>(2 Wks)<br>Number<br>(2 Wks) |
|                     |                   | (2 Wks)                                       | Fractions (5 Wks)<br>Learning ladders<br>SA & K Vocab (S19)   | Time (2 Wks)   | (2 Wks)  |  |





| Step 21 – 23 (KS3)      | <b>Developing Number</b> | <b>Developing Number</b> | <b>Developing Geometry</b> | Algebraic techniques | Algebraic techniques | <b>Representations</b> |
|-------------------------|--------------------------|--------------------------|----------------------------|----------------------|----------------------|------------------------|
|                         | Number                   | Number                   | Area & Perimeter           | Solving equations    | & Developing         | Probability            |
| Click here for topic by | (6 Wks)                  | (2 Wk)                   | (3 Wks)                    | (2 Wks)              | <b>Geometry</b>      | (2 Wks)                |
| year group              |                          |                          | Learning Ladders           |                      | Algebra              |                        |
| breakdown.              |                          | Algebraic techniques     | SA & K Vocab (KS3)         | <b>Proportional</b>  | Coordinates,         | <b>Constructions</b>   |
|                         |                          | Algebra                  |                            | <u>reasoning</u>     | transformations &    | (3 Wks)                |
|                         |                          | (4 Wks)                  | Developing Number          | Ratio (4 Wks)        | graphs               |                        |
|                         |                          |                          | 4 Operations &             |                      | (4 Wks)              |                        |
|                         |                          |                          | Fractions (3 Wks)          |                      |                      |                        |
|                         |                          |                          |                            |                      | Reasoning with data  |                        |
|                         |                          |                          |                            |                      | (2 Wks)              |                        |

|  | Maths – Mowbray Steps (Jan 2022) |         |          |                  |          |          |  |  |
|--|----------------------------------|---------|----------|------------------|----------|----------|--|--|
| KS4 (2 year cycle) Autumn 1 Autumn 2 Spring 1 Spring 2 Summer 1 Su |                                  |         |          |                  |          |          |  |  |
| Semi-formal  | Number                           | Number  | Counting | Geometry (4 Wks) | Time     | Measures |  |  |
| Pre-Entry level  | (4 Wks)                          | (2 Wks) |          |                  | (4 Wks)  | (2 Wks)  |  |  |
| < Step 10  |                                  | Money   | Geometry | Number & world   |          | Number   |  |  |
|  | Geometry                         | (2 Wks) |          | book day         | Measures | (2 Wks)  |  |  |
|  | (2 Wks)                          | Time    |          | (2 Wks)          | (2 Wks)  |          |  |  |
|  |                                  | (2 Wks) |          |                  |          |          |  |  |

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| Pre-Entry level<br>(Mowbray Step 10–<br>14) - Year 1 | Properties of number<br>Possible AQA unit<br>awards<br>Pre-Entry:<br>113955 COMPARING<br>NUMBERS TO 10<br>Entry Level 1: 15000<br>MATHS: PROPERTIES OF<br>NUMBER | Properties of number.<br>Possible AQA unit<br>awards<br>Pre-Entry:<br>117936 NUMBERS TO 30   | Properties of number:<br>Number formation &<br>number bonds<br>Possible AQA unit<br>awards<br>Pre-Entry:<br>115964 MATHS: THE<br>FOUR OPERATIONS<br>Entry Level 1:<br>15003 MATHS: THE<br>FOUR OPERATIONS<br>(WITHOUT A<br>CALCULATOR) | Fraction<br>Possible AQA unit<br>awards<br><b>Pre-Entry:</b><br>Entry Level 1:<br>15006 MATHS: RATIO | Money<br>Possible AQA unit<br>awards<br><b>Pre-Entry:</b><br>Entry Level 1: 15009<br>MATHS: MONEY | The calendar and time<br>Possible AQA unit<br>awards<br><b>Pre-Entry:</b><br>Entry Level 1:<br>15012 MATHS: THE<br>CALENDAR AND TIME |
|--|--|--|--|--|---|--|
| Pre-Entry level<br>(Mowbray Step 10–<br>14) - Year 2 | Measures<br>Possible AQA unit<br>awards<br>Pre-Entry:<br>115967 INTRO TO<br>MEASURING<br>Entry Level 1:<br>15015 MATHS:<br>MEASURES                              | Geometry<br>Possible AQA unit<br>awards<br>Pre-Entry:<br>115968 INTRO TO<br>GEOMETRY<br>Entry Level 1:<br>15018 MATHS:<br>GEOMETRY | Statistics<br>Possible AQA unit<br>awards<br>Pre-Entry:<br>Entry Level 1:<br>15021 MATHS:<br>STATISTICS  | Properties of number   | AQA unit award PfA –<br>Finance.  |  |
| AQA Entry Level                                      | Component 1:<br>properties of number<br><u>Learning ladders</u>  | Component 2: the four operations <u>Learning ladders</u>   | Component 2: the four operations<br>Learning ladders   | Component 3: ratio<br>Learning ladders   | Component 4: money<br>Learning ladders  | Component 5: the calendar and time <u>Learning ladders</u>   |





| AQA Entry Level   | Component 6:<br>measures<br><u>Learning ladders</u>  | Component 7:<br>geometry<br><u>Learning ladders</u>  | Component 8:<br>statistics<br><u>Learning ladders</u>  | Catch up & complete   | AQA unit award PfA –<br>Finance.  |  |
|---|--|--|--|---|---|--|
| AQA Entry Level &<br>AQA Functional skills<br>level 1 (Y1)    | Use of number and<br>the number system<br>Inc. ELC Component 1<br><u>Learning ladders</u>  | Use of number and<br>the number system<br><u>Functional skills</u><br><u>learning ladders.</u> | Use of number and<br>the number system<br><u>Functional skills</u><br><u>learning ladders.</u>                   | Use of number and<br>the number system<br>Inc. ELC Component 2<br><u>Learning ladders</u> | Use of number and<br>the number system<br>Inc. ELC Component 3<br><u>Learning ladders</u> | Use of measures,<br>shape and space Inc.<br>ELC Component 4 & 5<br><u>Learning ladders</u> |
| AQA Entry Level &<br>AQA Functional skills<br>level 1 (Y2)    | Use of measures,<br>shape and space Inc.<br>ELC Component 6 & 7<br><u>Learning ladders</u> | Handling information<br>and data Inc. ELC<br>Component 8<br><u>Learning ladders</u>            | Handling information<br>and data Inc. ELC<br>Component 8<br><u>Functional skills</u><br><u>learning ladders.</u> | Revision & Exam<br><u>Functional skills</u><br><u>learning ladders.</u>                   | AQA unit award PfA –<br>Finance.  |  |
| AQA GCSE - Inc AQA<br>ELC & Functional skills<br>level 1 (Y1) | Number<br><u>GCSE learning ladders.</u>  | Algebra<br>GCSE learning ladders.  | Statistics<br>GCSE learning ladders.   | Fractions<br><u>GCSE learning ladders.</u>  | Graphs<br><u>GCSE learning ladders.</u>   | Shapes and construction  |
| AQA GCSE - Inc AQA<br>ELC & Functional skills<br>level 1 (Y2) | Number <u>GCSE</u><br><u>learning ladders.</u>   | Algebra (Inc<br>Pythagoras &<br>Trigonometry)<br><u>GCSE learning ladders.</u>                 | Geometry & measures.<br><u>GCSE learning ladders.</u>  | Revision<br><u>GCSE learning ladders.</u>   | Revision & exam   |  |

Full details of AQA route maps can be found on the Mowbray area of the <u>AQA All about Maths website</u> for Entry Level Certificate (ELC), Functional skills & GCSE, giving full details of teaching, planning and assessment.

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The KS3 includes content from the White Rose Schemes of Learning. It is important to note that we do not follow the suggested timings exactly. This is for 2



important reasons

1) A majority of KS3 & KS4 young people at Mowbray are accessing learning at a KS1 / 2 demand but need to develop skills such as time and money to prepare them for adulthood, these important life skills topics are allocated about 10% (zero in Y5 & 6) of learning time in the original White Rose Schemes of learning, which is not enough for young people preparing of adulthood, the Mowbray KS3 SOW allocates 20% to time and money (below Step 20), this is taken from Number, however number is implict in the teaching of time & money.

2) As teachers, we assess and respond to the needs of the children we are teaching. This means that, at some times, we will spend longer working on a concept and at other times, we will spend less time than outlined in the White Rose Schemes of Learning. This ensures that our maths curriculum provides the best learning opportunities possible for all of our children.

