**St Mary’s Year 2 Maths overview**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **MNP** | **NCETM Spine Materials (subject knowledge development)** | **Additional resources to support understanding** | | | |
| [**Yr2 NCETM assessment materials**](https://www.ncetm.org.uk/public/files/25627338/Mastery_Assessment_Yr2_Low_Res.pdf) | **I See Reasoning** | **NRICH** | **White Rose** |
| **Numbers to 100**  - Counting to 100  - Place value  - Comparing numbers  - Number bonds  - Number patterns | **1.14: TP 4.1- 4.4** | **P9-11** | True or false, p10  Count in 2s, p11  Count in 5s, p12, 13  Which answer, p16  Number lines, p19, 20  Missing numbers, p22, 23, 24  Fill the gaps, p24, 25  True or false, p25  Fill the gaps, p26  Investigate, p27 | [Buzzy Bee](https://nrich.maths.org/194)  [5 steps to 50](https://nrich.maths.org/10586)  [Snail one hundred](https://nrich.maths.org/8303)  [Two-digit target](https://nrich.maths.org/6343)  [6 beads](https://nrich.maths.org/152)  [How would we count?](https://nrich.maths.org/8123)  [Tug of war](https://nrich.maths.org/5897)  [Count the crayons](https://nrich.maths.org/10653)  [Domino sequences](https://nrich.maths.org/241)  [Next domino](https://nrich.maths.org/168)  [100 square jigsaw](https://nrich.maths.org/5572)  [That number square](https://nrich.maths.org/8169)  [Domino Number patterns](https://nrich.maths.org/225)  [I like](https://nrich.maths.org/6962)  [Largest Even](https://nrich.maths.org/7431)  [Round the two dice](https://nrich.maths.org/10435)  [Light the lights](https://nrich.maths.org/7044) | [Place value](https://wrm-13b48.kxcdn.com/wp-content/uploads/2020/07/Year-2-Block-1-Place-Value.pdf) |
| **Addition and subtraction**  - Simple adding  - Adding with renaming  - Simple subtracting  - Subtracting with renaming  - Addition of three numbers | **1.13: TP 1.1- 1.9, 2.1-2.9, 3.1- 3.6, 4.1- 4.9**  **1.14: TP 1.1- 1.5, 2.1- 2.6, 3.1- 3.9**  **1.15: TP 1.1- 1.2, 2.1-2.3**  **1.11: TP 5.1-5.7,**  **1.15 TP 2.4- 2.8**  **1.12: TP 1.1- 1.4, 2.1-2.5, 3.1-3.5, 4.1-4.4**  **1.13: TP 1.1- 1.9, 2.1-2.9, 3.1- 3.6, 4.1- 4.9**  **1.14: TP 1.1- 1.5, 2.1- 2.6, 3.1- 3.9**  **1.16: TP 1.1-1.3, 2.1-2.5**  **1.11: 6.1-6.8**  **1.16: 2.6-2.9**  **1.11: TP: 6.1-6.3, 2.1-2.5, 3.1- 3.4, 4.1- 4.10** | **P12-15** | Different ways, p33  Fill the gaps, p37  Which answer, p37, 38  Odd one out, p39  Which answer, p41  Missing number, p41  I know…so…, p42  Which answer, p42  Which is harder, p43  Change the order, p43  Different ways, p44  Digit cards game, p44, 45  Digit cards game, p46, 47  True or false, p55  Which way? P56  Which answer? P57  I Know…so…P58, 59  Which answer? P59  Easiest, hardest? P60  Different ways, P60, 61  Digit cards game, p61, 62  Which picture? P67  Which answer? P68  Different ways, p68 | [Sitting Round the Party Tables](https://nrich.maths.org/7228)  [Two Spinners](https://nrich.maths.org/10391)  [Half Time](https://nrich.maths.org/7408)  [Heads and Feet](https://nrich.maths.org/924)  [Noah](https://nrich.maths.org/136)  [Eggs in Baskets](https://nrich.maths.org/eggsinbaskets)  [Birthday Cakes](https://nrich.maths.org/246)  [Cuisenaire Counting](https://nrich.maths.org/2724)  [The Brown Family](https://nrich.maths.org/2003)  [Strike it Out](https://nrich.maths.org/6589)  [Number Round Up](https://nrich.maths.org/188)  [4 Dom](https://nrich.maths.org/179)  [Cuisenaire Environment](https://nrich.maths.org/4348)  [Unit Differences](https://nrich.maths.org/10480)  [Dicey Addition](https://nrich.maths.org/11863)  [Number Balance](https://nrich.maths.org/4725)  [Jumping Squares](https://nrich.maths.org/7471)  [Always, Sometimes or Never? KS1](https://nrich.maths.org/12671)  [The Add and Take-away Path](https://nrich.maths.org/7281)  [How Many?](https://nrich.maths.org/14404)  [What Was in the Box?](https://nrich.maths.org/7819)  [Doing and Undoing](https://nrich.maths.org/8292)  [Secret Number](https://nrich.maths.org/5651) | [Addition and subtraction](https://wrm-13b48.kxcdn.com/wp-content/uploads/2020/07/Year-2-Block-2-Addition-and-Subtraction.pdf) |
| **MNP** | **NCETM Spine Materials (subject knowledge development)** | **Additional resources to support understanding** | | | |
| [**Yr2 NCETM assessment materials**](https://www.ncetm.org.uk/public/files/25627338/Mastery_Assessment_Yr2_Low_Res.pdf) | **I See Reasoning** | **NRICH** | **White Rose** |
| **Multiplication of 2, 5 and 10**  - Multiplication as equal groups  - 2 times table  - 5 times table  - 10 times table  - Multiplying by 2, 5 and 10  - Solving word problems | **2.2: TP 1.1-1.4, 2.1-2.4, 3.1-3.4, 4.1-4.4, 5.1- 5.4**  **2.3: TP 1.1- 1.6, 2.1- 2.8, 3.1-3.4**  **2.5: 2.1-2.9,**  **2.4: TP 2.1- 2.9, 3.1-3.7**  **2.4: TP 1.1- 1.9, 3.1-3.7**  **2.4: TP 4.1-4.6** | **P16-18** | Read the picture, p68  Finish the picture, p69  Fill the gaps, p70  Draw, p71  Fill the gaps, p72  How many dots? P73  The same…different, p74  Odd one out, p74  Match up, p75, 76  Agree or disagree? P77  Read the pictures, p77  Number sentences, p78  True or false, p79  Fill the gaps, p79  The same…different, p80  Spot the difference, p80  True or false, p80  Finish the pictures, p81  Explain, p81  Finish the picture, p82  Digit card game, p82 | [Even and Odd](https://nrich.maths.org/6895)  [Ring a Ring of Numbers](https://nrich.maths.org/2782)  [Clapping Times](https://nrich.maths.org/5482)  [Double or Halve?](https://nrich.maths.org/10654)  [Always, Sometimes or Never?](https://nrich.maths.org/12670)  [How Odd](https://nrich.maths.org/7190)  [Two Numbers Under the Microscope](https://nrich.maths.org/8059)  [Odd Times Even](https://nrich.maths.org/8062)  [More Numbers in the Ring](https://nrich.maths.org/2783)  [Ordering Cards](https://nrich.maths.org/8058)  [Which Symbol?](https://nrich.maths.org/6777)  [I’m Eight](https://nrich.maths.org/55)  [Our Numbers](https://nrich.maths.org/7006)  [Ip Dip](https://nrich.maths.org/7185)  [Magic Plant](https://nrich.maths.org/145)  [The Amazing Splitting Plant](https://nrich.maths.org/159)  [The Tomato and the Bean](https://nrich.maths.org/1079)  [Lots of Lollies](https://nrich.maths.org/2360)  [Growing Garlic](https://nrich.maths.org/5579) | [Multiplication and division](https://wrm-13b48.kxcdn.com/wp-content/uploads/2020/07/Year-2-Block-4-Multiplication-and-Division.pdf) |
| **Multiplication and division of 2, 5 and 10**  - Grouping  - Sharing  - Dividing by 2  - Dividing by 5  - Dividing by 10  - Multiplication and division  - Solving word problems  - Odd and even numbers | **2.6: 1.1-1.4, 2.1-2.12**  **2.6: 3.1-3.10**  **2.5: 3.1-3.9,**  **2.6: 4.1-4,12**  **2.5: TP 4.1-4.7**  **2.5: TP 1.1-1.13** | **P16-18** | Finish the picture, p83, 84  Fill the gaps, p85  Draw, p85  True or false, p86  Different ways, p86  Fill the gaps, p87  Explore, p87  Odd one out, p88  Read the pictures, p88 |  | [Multiplication and division](https://wrm-13b48.kxcdn.com/wp-content/uploads/2019/SoLs/Primary/Year-2-2018-19-Spring-Term-Block-1-FINAL.pdf) |
| **MNP** | **NCETM Spine Materials (subject knowledge development)** | **Additional resources to support understanding** | | | |
| [**Yr2 NCETM assessment materials**](https://www.ncetm.org.uk/public/files/25627338/Mastery_Assessment_Yr2_Low_Res.pdf) | **I See Reasoning** | **NRICH** | **White Rose** |
| **Length**  - Measure length in Metres  - Measure length in centimetres  - Comparing length in metres  - Comparing length in centimetres  - Comparing the length of lines  - Solving word problems |  | **P23-26** | Which answer, p102  Explain, p103, 104  Different ways, p104  Predict and measure, p105  I know…so, p105 | [Little man](https://nrich.maths.org/4789)  [Order, order](https://nrich.maths.org/7340)  [Making longer, making shorter](https://nrich.maths.org/5590) | [Length and height](https://wrm-13b48.kxcdn.com/wp-content/uploads/2019/SoLs/Primary/Year-2-2018-19-Spring-Term-Block-5-FINAL.pdf) |
| **Mass**  - Measuring mass in kilograms  - Measuring mass in grams  - Comparing masses of two objects  - Comparing the mass of three objects  - Solving word problems  - Solving more word problems |  | **P23-26** | Explain, p104  Different ways, p104  Which answer, p106  Explain, p106 | [Order, order](https://nrich.maths.org/7340) | [Measurement](https://wrm-13b48.kxcdn.com/wp-content/uploads/2019/06/Year-2-2018-19-Summer-Block-4-Measurement.pdf) |
| **Temperature**  - Reading temperature  - Estimating temperature |  |  |  |  |  |
| **MNP** | **NCETM Spine Materials (subject knowledge development)** | **Additional resources to support understanding** | | | |
| [**Yr2 NCETM assessment materials**](https://www.ncetm.org.uk/public/files/25627338/Mastery_Assessment_Yr2_Low_Res.pdf) | **I See Reasoning** | **NRICH** | **White Rose** |
| **Picture graphs**  - Reading picture graphs |  | **P30-31** | The same…different…, P133  Explain, p133  Which answer, p134  Spot the difference, p134  Which graph? p135  Read the graph, p136 | [Sticky Data](https://nrich.maths.org/7687)  [If the World Were a Village](https://nrich.maths.org/7725)  [What Shape and Colour?](https://nrich.maths.org/2185)  [Carroll Diagrams](https://nrich.maths.org/13212)  [Ladybird Count](https://nrich.maths.org/2341)  [Plants](https://nrich.maths.org/36)  [Sort the Street](https://nrich.maths.org/5157)  [Button-up](https://nrich.maths.org/7227)  [Beads and Bags](https://nrich.maths.org/7374)  [The Hair Colour Game](https://nrich.maths.org/6964)  [Mixed-up Socks](https://nrich.maths.org/7193)  [In the playground](https://nrich.maths.org/7248) | [Statistics](https://wrm-13b48.kxcdn.com/wp-content/uploads/2019/SoLs/Primary/Year-2-2018-19-Spring-Term-Block-2-FINAL.pdf) |
| **More word problems**  - Solving word problems |  |  |  |  |  |
| **MNP** | **NCETM Spine Materials (subject knowledge development)** | **Additional resources to support understanding** | | | |
| [**Yr2 NCETM assessment materials**](https://www.ncetm.org.uk/public/files/25627338/Mastery_Assessment_Yr2_Low_Res.pdf) | **I See Reasoning** | **NRICH** | **White Rose** |
| **Money**  - Writing amounts of money  - Counting money  - Showing equal amounts of money  - Exchanging money  - Comparing amounts of money  - Calculating total amount  - Calculating change  - Solving word problems |  | **P23-26** | Which answer, p107  Is it 30p? p108  Is it 60p? P108  I can buy…p109  Two ways, p110  Fill the gaps, p112  Explain the mistakes, p112  How many ways, p114 | [**Five coins**](https://nrich.maths.org/142)  [**Money bags**](https://nrich.maths.org/1116)  [**The puzzling sweetshop**](https://nrich.maths.org/223) | [Money](https://wrm-13b48.kxcdn.com/wp-content/uploads/2020/07/Year-2-Block-3-Money.pdf) |
| **2d shapes**  - Identifying sides  - Identifying vertices  - Identifying lines of symmetry  - Making figures  - Sorting shapes  - Drawing shapes  - Making patterns  - Describing patterns  - Moving shapes  - Turning shapes |  | **P27-29** | Explain the mistakes, P124  True or false, p124  Odd one out, p125  Is it a pentagon? P126  Explain, p127  True or false, p131 | [Shapely Lines](https://nrich.maths.org/7009)  [Exploded Squares](https://nrich.maths.org/7008)  [Poly Plug Rectangles](https://nrich.maths.org/polyplugrectangles)  [Let’s Investigate Triangles](https://nrich.maths.org/93)  [Seeing Squares](https://nrich.maths.org/13125)  [Paper Patchwork](https://nrich.maths.org/12203)  [Paper Patchwork](https://nrich.maths.org/12204)  [Chain of Changes](https://nrich.maths.org/221)  [Colouring Triangles](https://nrich.maths.org/171)  [Complete the Square](https://nrich.maths.org/2910)  [Inside Triangles](https://nrich.maths.org/5648) | [Properties of shape](https://wrm-13b48.kxcdn.com/wp-content/uploads/2019/SoLs/Primary/Spring-Year-2-2018-19-Block-3-FINAL.pdf) |
| **MNP** | **NCETM Spine Materials (subject knowledge development)** | **Additional resources to support understanding** | | | |
| [**Yr2 NCETM assessment materials**](https://www.ncetm.org.uk/public/files/25627338/Mastery_Assessment_Yr2_Low_Res.pdf) | **I See Reasoning** | **NRICH** | **White Rose** |
| **Three-dimensional shapes**  - Recognising 3d shapes  - Describing 3d shapes  - Grouping 3d shapes  - Forming 3d shapes  - Making patterns |  | **P27-29** | Which answer, p131  Fill the gaps, P131  Spot the mistakes, P132  Read the picture, p132 | [Building with solid shapes](https://nrich.maths.org/239)  [Rolling that cube](https://nrich.maths.org/7299)  [Skeleton Shapes](https://nrich.maths.org/1156)  [Cubes](https://nrich.maths.org/42)  [Shadow play](https://nrich.maths.org/2350)  [Matching triangles](https://nrich.maths.org/5638)  [Data Shapes](https://nrich.maths.org/7523)  [Paper Partners](https://nrich.maths.org/12234)  [Cubes cut into four pieces](https://nrich.maths.org/233) | [Properties of shape](https://wrm-13b48.kxcdn.com/wp-content/uploads/2019/SoLs/Primary/Spring-Year-2-2018-19-Block-3-FINAL.pdf) |
| **Fractions**  - Making equal parts  - Showing half and a quarter  Showing quarters  - Showing thirds  - Naming fractions  - Making equal fractions  - Comparing and ordering fractions  - Counting wholes and parts  - Counting in halves  - Counting in quarters  - Counting in thirds  - Finding parts of a set  - Finding part of a quantity | **3.0: Guidance on the teaching of fractions at KS1** | **P19-22** | Spot the difference, p89  The same…different, p89  Odd one out, p89, 90  True or false, p90, 91  Draw, p91  Spot the difference, p91  Which picture? p92  Draw, p92  Which answer, p93  Fill the gaps, p93  Read the picture, p94  Draw, p94  Fill the gaps, p95  Draw, p96  The same…different, p96  Explain, p97  Which answer, p97  Spot the patterns, p98  Which picture, p98  Read the picture, p98  Fill the gaps, p99  Read the picture, p99  Draw, p100  Different ways, p100 |  | [Fractions](https://wrm-13b48.kxcdn.com/wp-content/uploads/2019/SoLs/Primary/SOL-Year-2-2018-19-Spring-Term-Block-4-FINAL.pdf) |
| **Time**  - Telling and writing time to 5 minutes  - Telling and writing time  - Sequencing events  - Drawing clock hands  - Finding durations of time  - Finding ending times  - Finding starting times  - Comparing times |  | **P23-26** | Which measures, p115  Which answer? P115, 116  True or false, p116  Fill the gaps, p116  Explain the mistake, p117  True or false? P118  Which answer? P119  Explain the mistakes, p119  Missing hand, p120  Estimate, p121 | [**Order, order**](https://nrich.maths.org/7340)  [Stop the clock](https://nrich.maths.org/6071) | [Time](https://wrm-13b48.kxcdn.com/wp-content/uploads/2019/05/Year-2-2018-19-Summer-Block-3-Time.pdf) |
| **Volume**  - Comparing volume  - Measuring volume in litres  - Measuring volume in millilitres  - Solving word problems |  | **P23-26** | Different ways, p104 |  | [Measurement](https://wrm-13b48.kxcdn.com/wp-content/uploads/2019/06/Year-2-2018-19-Summer-Block-4-Measurement.pdf) |