**St Mary’s Year 2 Maths overview**

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| **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, p10Count in 2s, p11Count in 5s, p12, 13Which answer, p16Number lines, p19, 20Missing numbers, p22, 23, 24Fill the gaps, p24, 25True or false, p25Fill the gaps, p26Investigate, 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, p33Fill the gaps, p37Which answer, p37, 38Odd one out, p39Which answer, p41Missing number, p41I know…so…, p42Which answer, p42Which is harder, p43Change the order, p43Different ways, p44Digit cards game, p44, 45Digit cards game, p46, 47True or false, p55Which way? P56Which answer? P57I Know…so…P58, 59Which answer? P59Easiest, hardest? P60Different ways, P60, 61Digit cards game, p61, 62Which picture? P67Which answer? P68Different 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, p68Finish the picture, p69Fill the gaps, p70Draw, p71Fill the gaps, p72How many dots? P73The same…different, p74Odd one out, p74Match up, p75, 76Agree or disagree? P77Read the pictures, p77Number sentences, p78True or false, p79Fill the gaps, p79The same…different, p80Spot the difference, p80True or false, p80Finish the pictures, p81Explain, p81Finish the picture, p82Digit 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, 84Fill the gaps, p85Draw, p85True or false, p86Different ways, p86Fill the gaps, p87Explore, p87Odd one out, p88Read 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) |
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| [**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, p102Explain, p103, 104Different ways, p104Predict and measure, p105I 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, p104Different ways, p104Which answer, p106Explain, 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 |  |  |  |  |  |
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| **Picture graphs**- Reading picture graphs |  | **P30-31** | The same…different…, P133Explain, p133Which answer, p134Spot the difference, p134Which graph? p135Read 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 |  |  |  |  |  |
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| **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, p107Is it 30p? p108Is it 60p? P108I can buy…p109Two ways, p110Fill the gaps, p112Explain the mistakes, p112How 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, P124True or false, p124Odd one out, p125Is it a pentagon? P126Explain, p127True 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) |
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| **Three-dimensional shapes**- Recognising 3d shapes- Describing 3d shapes- Grouping 3d shapes- Forming 3d shapes- Making patterns |  | **P27-29** | Which answer, p131Fill the gaps, P131Spot the mistakes, P132Read 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 quarterShowing 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, p89The same…different, p89Odd one out, p89, 90True or false, p90, 91Draw, p91Spot the difference, p91Which picture? p92Draw, p92Which answer, p93Fill the gaps, p93Read the picture, p94Draw, p94Fill the gaps, p95Draw, p96The same…different, p96Explain, p97Which answer, p97Spot the patterns, p98Which picture, p98Read the picture, p98Fill the gaps, p99Read the picture, p99Draw, p100Different 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, p115Which answer? P115, 116True or false, p116Fill the gaps, p116Explain the mistake, p117True or false? P118Which answer? P119Explain the mistakes, p119Missing hand, p120Estimate, 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) |