

**Year 6 Maths Long Term Overview Version 3.0**

***Rationale***

This overview is designed to run alongside the White Rose Schemes of Learning (Version 3.0) found [here](https://whiterosemaths.com/resources/primary). The small steps within White Rose are not necessarily designed to cover one lesson so some may be repeated which can be used to consolidate concepts or allow children greater access to reasoning and problem solving. This is particularly evident in the Y1 schemes. The lessons that are linked to the [DFE ready to progress criteria](https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/897806/Maths_guidance_KS_1_and_2.pdf) are identified with a reference such as **(NPV-1),** teachers can use these to refer to the document for additional planning support. Due to differing term lengths, these overviews do not directly match those on White Rose. For instance, some units are started earlier in the term or the term before, but they all correlate with the schemes of learning.

***Vocabulary***

There are also two vocabulary rows on the document, which show the subject specific vocabulary that needs to be introduced or re-introduced as part of the unit as well as what should have been covered in the previous year group. It is essential that teachers refer to previous year’s vocabulary especially if children are not secure. If children are still struggling to define certain pieces of vocabulary, teachers should be encouraged to reintroduce them. Whole school vocabulary progression documents are within the Maths area on ReachIn and this language is also present on the accompanying knowledge organisers.

**Consolidation/revisiting**

The consolidation row has been removed from the most recent overviews as we suggest that the White Rose ‘Flashback 4s’ are used to revisit and consolidate learning as they reduce workload for teachers and comprehensively revisit taught content. If you chose not to use these, teachers should be encouraged to spend half the week looking at the previous year’s small steps before teaching a unit and revisit them briefly. For the other half, they’d be encouraged to revisit learning they’ve done during the current year.

Also, the new White Rose schemes have removed the explicit recap sessions, however the beginning of the units include steps from the previous year to ensure children have the required knowledge to access new learning.

***Assessment/Consolidation Weeks***

The end of unit assessments have been left in, these can be taken from the previous years’ resources as they will broadly match the topic being taught. Finally, within the plans there are also assessment/consolidation weeks which have been put in to revisit topics children struggled with or as buffers for if and when units overrun to accommodate assessments, trips, productions etc. These documents are fully editable, so topics or assessment weeks can be moved around or lengthened/shortened if necessary to accommodate different term lengths or to provide more weeks for SATS-based revision. These overviews ensure that all of the Y6 curriculum is covered before the SATS, however, assessment may indicate that more or less time needs to be attributed to certain topics. The term lengths are kept as seven weeks for the two autumn half terms and summer 2 and six for the rest. However, they can be adapted to meet differing term lengths.

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| **Autumn 1** | **Week 1**  | **Week 2** | **Week 3** | **Week 4** | **Week 5** | **Week 6** | **Week 7** |
| **Units**  | **Number: place value** | **Number: place value**  | **Number: addition, subtraction, multiplication, division.** | **Number: addition, subtraction, multiplication, division.** | **Number: addition, subtraction, multiplication, division.** | **Number: addition, subtraction, multiplication, division.** | **Number: addition, subtraction, multiplication, division.** |
| **Lesson objectives (Small steps)** | 1) Numbers to a 1,000,000 **(NPV-2)**2) Numbers to 10,000,000 **(NPV-2)**3) Read and write numbers to 10,000,000 **(NPV-2)**4) Power of 10 | 5) Number line to 10,000,000 **(NPV-2)**6) Compare and order any integers **(NPV-3)** 7) Round any integer **(NPV-3)** 8) Negative numbers **(NPV-3)**9) Mini-assessment/consolidation  | 1) Add and subtract integers2) Common factors3) Common multiples4) Rules of divisibility   | 5) Primes to 1006) Square and cube numbers 7) Multiply up to a 4-digit number by a 2-digit number8) Solve problems with multiplication   | 9) Short division10) Division using factors 11) Introduction to long division **Only 3 small steps for these two weeks to give time for teaching of long division**  | 12) Long division with remainders 13) Solve problems with division14) Solve multi-step problems **Only 3 small steps for these two weeks to give time for teaching of long division** | 15) Order of operations 16) Mental calculation and estimation 17) Reason with know facts 18) Mini assessment/consolidation |
| **Vocabulary (Year group specific)** | Calculate intervals Integer Millions Ten Million | Calculate intervals Integer Millions Ten MillionNegative numbers  | Multi-digit number Long multiplicationDivisibility  | Multi-digit number Long multiplication | Multi-digit number Factors Long division  | Multi-digit number Factors Long division  | Multi-digit number Factors Long division  |
| **Previous years’ Vocabulary** | Powers of RoundingTen ThousandOne Hundred ThousandInteger  | Powers of RoundingTen ThousandOne Hundred ThousandInteger  | Multiples Factors Short divisionRemaindersDecimalsProductOperations Integers  | Multiples Factors Short divisionPrime numbersSquare NumbersCube Numbers RemaindersDecimalsProductOperations Integers | Multiples Factors Short divisionRemaindersDecimalsDividend Divisor Quotient OperationsIntegers | Multiples Factors RemaindersDecimalsProductDividend Divisor Quotient OperationsIntegers | Multiples Factors Short divisionRemaindersDecimalsProductDividend Divisor Quotient Operations |

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| **Autumn 2** | **Week 1** | **Week 2** | **Week 3** | **Week 4** | **Week 5** | **Week 6** | **Week 7** |
| **Units**  | **Number: Fractions A** | **Number: Fractions A** | **Number: Fractions B** | **Number: Fractions B** | **Assessment week/consolidation week**  | **Measurement: converting units** | **Consolidation week**  |
| **Lesson objectives (Small steps)** | 1) Equivalent fractions and simplifying **(F-1)**2) Equivalent fractions on a number line **(F-1)**3) Compare and order (denominator) **(F-2/3)**4) Compare and order (numerator) **(F-2/3)** | 5) Add and subtract simple fractions 6) Add and subtract any two fractions7) Add mixed numbers 8) Subtract mixed numbers 9) Multi-step problems  | 1) Multiply fractions by integers2) Multiply fractions by fractions 3) Divide a fraction by an integer 4) Divide any fraction by an integer | 5) Mixed questions with fractions 6) Fraction of an amount 7) Fraction of an amount – find the whole 8) Mini-assessment/consolidation | Week can be used to carry out assessment or as an opportunity to consolidate learning done so far.Also can be used as a buffer or to extend Fractions B **This week may want to be moved to week 3 to break up the fractions units**  | 1) Metric measures2) Convert metric measures3) Calculate with metric measures4) Miles and kilometres5) Imperial measures  | This week to act as a buffer for any units that over run or to revisit concepts children struggled with (also Xmas week and INSETs may be taking place)**May also wish to extend the converting units week**  |
|  **Vocabulary (Year group specific)** | FactorsInteger | FactorsInteger | FactorsInteger | FactorsInteger |  | ConversionMiles Formulae |  |
| **Previous years Vocabulary** | FifththousandthsConvert Proper fractionsImproper fractions Mixed numbers Equivalent fractions Multiples Simplifying Complements  | FifththousandthsConvert Proper fractionsImproper fraction Mixed numbers Equivalent fractions Multiples Simplifying Complements  | fifththousandthsconvert proper fractionsImproper fractions mixed numbersEquivalent fractions multiples SimplifyingComplements  | FifththousandthsConvert Proper fractionsImproper fractions Mixed numbers Equivalent fractions Multiples SimplifyingComplements  |  | Decimal notation Scaling Metric units Imperial units Inches Pounds Pints |  |