

**Year 5 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 also fully editable so topics or assessment weeks can be moved around or lengthened if necessary and to accommodate different term lengths. The term lengths are kept as seven weeks for the two autumn half terms and summer 2 and six for the rest.

**Currently only Autumn term on document**

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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: Place Value**  | **Number: Addition and subtraction** | **Number: Addition and subtraction**  | **Number: Multiplication and division A** | **Number: Multiplication and division A** |
| **Lesson objectives (Small steps)** | 1) Roman numerals to 1000 2)Numbers to 10,000 3) Number to 100,000 4) Numbers to 1,000,000 5) Read and write numbers to 1,000,000 **(NPV-2)** | 6) Powers of 10 **(MD-1)**7)10/100/1000/10,000/1000,000 more or less **(NPV-3)**8) Partition numbers to 1,000,000 **(NPV-3)** 9) Number line to 1,000,000 **(NPV-3)** 10) Compare and order numbers to 100,000 **(NPV-3)** | 11) Compare and order numbers to a 1,000,000 **(NPV-3)**12) Round to the nearest 10, 100 and 1,000 **(NPV-3)**13) Round within 100,000 **(NPV-3)**14) Round within 1,000,000 **(NPV-3)**15) Mini assessment (End of unit assessment) | 1) Mental strategies 2) Add whole numbers with more than four digits 3) Subtract whole numbers with more than four digits 4) Round to check answers  | 5) Inverse operations 6) Multi-step addition and subtraction problems7) Compare calculations 8) Find missing numbers9) Mini assessment/problem solving (End of unit assessment) | 1) Multiples **(MD-2)**2) Common multiples **(MD-2)**3) Factors **(MD-2)**4) Common Factors **(MD-2)** | 5) Prime numbers **(MD-2)**6) Square numbers **(MD-2)**7) Cube Numbers **(MD-2)** |
| **Vocabulary (Year group specific)** | Ten ThousandOne Hundred ThousandInteger | Powers ofTen ThousandOne Hundred ThousandInteger | Powers ofTen ThousandOne Hundred ThousandInteger | Consolidate previous years’ vocab | Consolidate previous years’ vocab | Multiples Factors Prime numbersProduct  | Multiples Factors Prime numbers Square Numbers Cube Numbers Product |
| **Previous years Vocabulary** | 1000 more1000 lessCount backwards Four digitRound Roman numeralsThousands | 1000 more1000 lessCount backwards Four digitRound Roman numeralsThousands | 1000 more1000 lessCount backwards Four digitRound Roman numeralsThousands | Operations MethodsInverseRound Strategies Calculations  | Operations MethodsInverse Round StrategiesCalculations  | Factor pairs Derived factsDistributive lawFormal written layoutRemainders | Factor pairs Derived factsDistributive lawFormal written layoutRemainders |

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| **Autumn 2**  | **Week 1**  | **Week 2** | **Week 3** | **Week 4** | **Week 5** | **Week 6** | **Week 7** |
| **Units**  | **Number: Multiplication and division A** | **Number: Fractions A** | **Number: Fractions A** | **Assessment week/consolidation week**  | **Number: Fractions A** | **Number: Fractions A** |  **Consolidation week** |
| **Lesson objectives (Small steps)** | 8) Multiply by 10, 100 and 1000 **(MD-1)**9) Divide by 10, 100 & 1000 **(MD-1)**10)Multiples of 10, 100 & 1000 **(MD-1)**11) Mini assessment/problem solving (End of unit assessment) | 1) Find fractions equivalent to a unit fraction **(F-2)**2) Find fractions equivalent to a non-unit fraction **(F-2)**3) Recognise equivalent fractions **(F-2)**4) Convert improper fractions to mixed numbers **(F-2)** | 5) Convert mixed numbers to improper fractions **(F-2)**6) Compare fractions less than 1 **(F-2)**7) Order fractions less than 1 **(F-2)** 8) Compare and order fractions greater than 1 **(F-2)**9) Add and subtract fractions with the same denominator | 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 for any units that overrun. | 10) Add fractions within 111) Add fractions with total greater than 1 12) Add to a mixed number13) Add two mixed numbers | 14) Subtract fractions 15) Subtract from a mixed number16) Subtract from a mixed number – breaking the whole 17) Subtract mixed numbers 18) Mini assessment/problem solving (End of unit assessment) | 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) |
| **Vocabulary (Year group specific)** | Multiples Factors Prime numbers Square Numbers Cube Numbers Product | Mixed numbersFifthsProper fractionsImproper fractions Equivalent fractions  | Mixed numbersFifthsProper fractionsImproper fractions Equivalent fractions  |  | Mixed numbersFifthsProper fractionsImproper fractions Equivalent fractions  | Mixed numbersFifths Proper fractionsImproper fractions Equivalent fractions  |  |
| **Previous years’ Vocabulary** | Factor pairs Derived factsDistributive lawFormal written layoutRemainders | Convert Proper fractionsImproper fractions Decimal Equivalence Hundredth Unit fractionsNon-unit fractions | Convert Proper fractionsImproper fractions Decimal Equivalence Hundredth Unit fractionsNon-unit fractions |  | Convert Proper fractionsImproper fractions Decimal Equivalence Hundredth Unit fractionsNon-unit fractions  | Convert Proper fractionsImproper fractions Decimal Equivalence HundredthsUnit fractionsNon-unit fractions |  |