

Year 7 - 'Ready to Progress' - Transition Scheme of Work

The outcomes highlighted in blue below are taken from the Upper Key Stage 2 National Curriculum (years 5 & 6), as highlighted by the NCETM's 'Ready to Progress' criteria. The aim of this scheme of work is to build on content from key stage 2, revisiting learning outcomes from years 5 and 6, to ensure students are secure in the essential key skills in order to successfully transition to the key stage 3 scheme of work. Year 7 students who follow this scheme will continue to cover appropriate learning outcomes, highlighted in green, from the core scheme of work to ensure they do not fall further behind.

This scheme will be implemented as follows:

- Four lessons per week
- Skills analysis following each assessment
- Approx. two lessons per week focus on learning outcomes from upper KS2
- Approx. two lessons focus on learning outcomes from KS3, taken from our core SOW
- For those students that are already secure in a skill, challenge will be provided through depth, using non-standard problems / rich tasks.

No	TT	Wb	Overview	Lesson Breakdown	NCETM Reference	Where this leads to in KS3....
9		25/10	HALF TERM			
10	2	1/11	Place Value and Rounding	Lesson 1: Determine the value of each digit in all numbers, including decimal values Lesson 2: Round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000 Lesson 3: Round numbers to a given number of decimal places. Lesson 4: Consolidation of above	6NPV-2 - Place value in numbers up to 10,000,000 6NPV-1 - Powers of 10	Understand and use place value for decimals, measures, and integers of any size. Order positive and negative integers, decimals, and fractions.
11	1	8/11	Multiplying by 10, 100, 1000	Lesson 1: Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000 Lesson 2: Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000 Lesson 3: Basic introduction to collecting like terms Lesson 4: Basic introduction to collecting like terms	6NPV-1 - Powers of 10	Understand and use place value for decimals, measures, and integers of any size. Interpret and compare numbers in standard form, where n is a positive or negative integer or zero
12	2	15/11	Order and Compare Positive and Negative Numbers	Lesson 1: Use the inequality symbols / Order and compare numbers to at least 1 000 000 Lesson 2: Order and compare negative numbers Lesson 3: Basic introduction to simplifying expressions through multiplication and division Lesson 4: Basic introduction to simplifying expressions through multiplication and division	6NPV-3 - Numbers up to 10 million in the linear number system	Order positive and negative integers, decimals, and fractions; use the number line as a model for ordering of the real numbers; use the symbols =, <, >, ≤, ≥
13	1	22/11	Intervention Unit - Addressing areas of most concern	TBC using assessment tracker		
14	2	29/11		TBC using assessment tracker		
15	1	6/12		TBC using assessment tracker		
16	2	13/12		TBC using assessment tracker		
17		20/12	CHRISTMAS			
18		27/12	CHRISTMAS			
19	1	3/1	Addition and Multiplication	Lesson 1: Confidently use written methods of addition / Explain the link between addition and multiplication Lesson 2: Multiply numbers up to 3 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers Lesson 3: Multiply numbers up to 3 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers Lesson 4: Accurately use a ruler and protractor to measure and draw lines and angles	6AS/MD-1 - Quantify additive and multiplicative relationships	Understand that a multiplicative relationship between 2 quantities can be expressed as a ratio or a fraction. Interpret when the structure of a numerical problem requires additive, multiplicative or proportional reasoning.
20	2	10/1	Subtraction and Division	Lesson 1: Confidently use written methods of subtraction Lesson 2: Divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately Lesson 3: Divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately Lesson 4: Name and identify different types of angles	6AS/MD-1 - Quantify additive and multiplicative relationships	Understand that a multiplicative relationship between 2 quantities can be expressed as a ratio or a fraction. Interpret when the structure of a numerical problem requires additive, multiplicative or proportional reasoning.
21	1	17/1	Intervention	Lesson 1: Targeted Intervention Lesson 2: Targeted Intervention Lesson 3: Targeted Intervention Lesson 4: Targeted Intervention		
22	2	24/1	Compare, Order and Simplify Fractions	Lesson 1: Use fraction notation to describe parts of a shape / Compare and order fractions whose denominators are all multiples of the same number Lesson 2: Use common factors to simplify fractions Lesson 3: Find missing angles on a straight-line and about a point Lesson 4: Find missing angles in triangles – with application to special triangles, if required	6F-1 - Simplify fractions	Use the concepts and vocabulary of prime numbers, factors (or divisors), multiples, common factors, common multiples, highest common factor, lowest common multiple, prime factorisation, including using product notation and the unique factorisation property.
23	1	31/1	Equivalent Fractions & Add and Subtract Fractions	Lesson 1: Identify, name and write equivalent fractions of a given fraction Lesson 2: Convert between mixed numbers and improper fractions Lesson 3: Add and subtract fractions with the same denominator and denominators that are multiples of the same number Lesson 4: Add and subtract fractions with the same denominator and denominators that are multiples of the same number	6F-2 - Express fractions in a common denominator 6F-3 - Compare fractions with different denominators	Order positive and negative integers, decimals and fractions. Use the 4 operations, including formal written methods, applied to integers, decimals, proper and improper fractions, and mixed numbers, all both positive and negative. Use and interpret algebraic notation, including: a/b in place of coefficients written as fractions rather than as decimals.
24	2	7/2	Fractions and Decimals	Lesson 1: Convert between fractions and decimals Lesson 2: Use division to convert fractions to decimals Lesson 3: Find missing angles in a range of triangles, quadrilaterals, straight lines and about a point. Lesson 4: Solve two-step problems involving angles	6F-3 - Compare fractions with different denominators	Order positive and negative integers, decimals and fractions. Use the 4 operations, including formal written methods, applied to integers, decimals, proper and improper fractions, and mixed numbers,
25	1	14/2	Assessment Week	Lesson 1: Revision Lesson 2: Revision Lesson 3: Revision Lesson 4: Assessment		
26		21/2	HALF TERM			
27	2	28/2	Using Calculations	Lesson 1: Use inverse operations to aid calculations Lesson 2: Use knowledge of place value and powers of ten to aid calculations Lesson 3: Recognise and select appropriate metric units of measurement / Convert between metric units Lesson 4: Convert between metric units / compare metric units	6AS/MD-2 - Derive related calculations	Recognise and use relationships between operations including inverse operations. Use algebra to generalise the structure of arithmetic, including to formulate mathematical relationships. Rearrange formulae to change the subject.
28	1	7/2	Ratio Reasoning	Lesson 1: Use ratio notation and simplify ratio Lesson 2: Use the unitary method to solve a variety of ratio problems Lesson 3: Use the unitary method to solve a variety of ratio problems Lesson 4: Divide a quantity into two parts given a ratio	6AS/MD-3 - Solve problems involving ratio relationships	Use ratio notation, including reduction to simplest form. Divide a given quantity into 2 parts in a given part:part or part:whole ratio; express the division of a quantity into 2 parts as a ratio.
29	2	14/2	Intervention Week	Lesson 1: Targeted Intervention Lesson 2: Targeted Intervention Lesson 3: Targeted Intervention Lesson 4: Targeted Intervention		