

HIAS MOODLE+ RESOURCE

HIAS Scheme of Learning for Mathematics

Medium Term Plans for Year 1

HIAS Maths Team
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Final version

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Overview

This document contains...

Long-term curriculum map for Year 1

Medium-term overview plans for Year 1 designed to support single age classes

Points to consider when using this resource

This medium-term plan outlines the 'I can' learning journey across the year for each content domain, showing how key objectives are progressively developed and built upon within each unit.

For more detail and a break-down of these objectives please refer to the relevant unit plan.

Unit plans identify a learning journey, required prior knowledge, misconceptions, key vocabulary, and suggested tasks.

Appropriate models, images, concrete resources, and visual representations are an implicit element in all units.

The objectives set out for the summer term (Milestone 4) are the statutory end-of-year expectations from the National Curriculum. These should be used to ensure pupils have secured the required knowledge and understanding by the end of the academic year.

A suggested schedule for assessment is included as colour-coded bands, linked to the Hampshire Assessment Model if required.

Plans are based on a **39-week school year** and will need to be **adjusted** on a term-by-term basis.

Long term curriculum map for Year 1

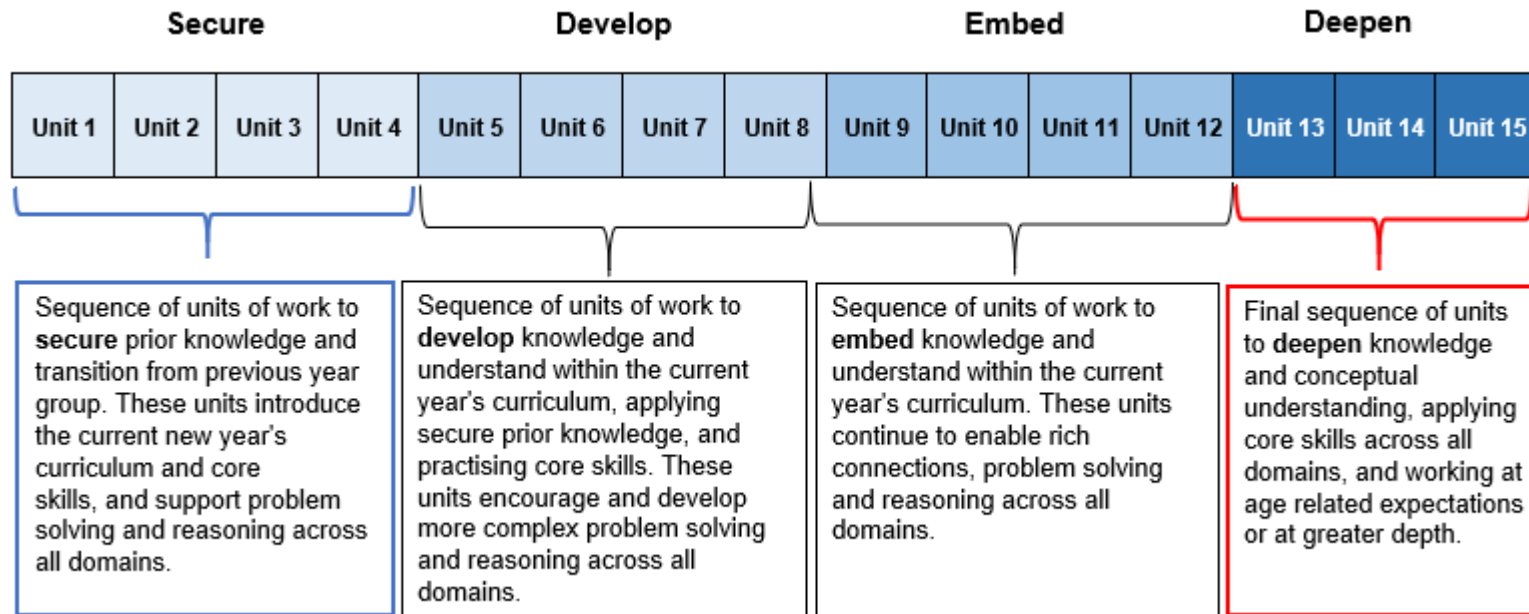
Year 1 – Yearly Overview



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Week	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Autumn	1.1 Number and Place Value Addition and Subtraction		1.2 Measurement		1.2 Addition and Subtraction		1.3 Multiplication and Division		1.3 Geometry Fractions		1.4 Number and Place Value Addition and Subtraction			
Spring	1.5 Addition and Subtraction Measurement		1.6 Multiplication and Division		1.6 Fractions		1.7 Geometry		1.8 Number and Place Value Addition and Subtraction		1.9 Measurement			
Summer	1.10 Multiplication and Division		1.11 Fractions		1.11 Geometry		1.12 Number and Place Value Addition and Subtraction		1.12 Number and Place Value Addition and Subtraction		1.13 Measurement			

Overview of curriculum intent



Key for assessment bands

AM1	AM2	AM3	ARE
Assessment Milestone 1	Assessment Milestone 2	Assessment Milestone 3	Assessment ARE

Learning Journey – Number and Place Value

Autumn unit 1.1 (2 weeks)

Autumn unit 1.4 (2 weeks)

Spring unit 1.8 (2 weeks)

Summer unit 1.12 (2 weeks)

I can count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number.

I can count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens.

I can read and write numbers from 1 to 20 in numerals and words.

I can count objects.

I can show numbers with objects.

I can find one more than a number.

I can find one less than a number.

I can tell if there are fewer, more, or the same.

I can compare two numbers.

I can use 'less than', 'more than' and 'equal to' when comparing numbers up to 10.

I can order numbers on a number line (up to 10).

I can represent numbers 11, 12 and 13.

I can represent numbers 14 and 15.

I can represent numbers 16, 17, 18 and 19.

I can represent the number 20.

I can find one more than a number.

I can find one less than a number.

I can use 'less than', 'more than' and 'equal to' when comparing numbers up to 20.

I can order numbers on a number line (up to 20).

I can partition numbers up to 50 into tens and ones.

I can use 'less than', 'more than' and 'equal to' when comparing numbers up to 50.

I can find one more than a number.

I can find one less than a number.

I can identify and represent numbers using objects and pictorial representations.

I can identify and represent numbers using objects and pictorial representations.

I can partition numbers up to 100 into tens and ones.

I can use 'less than', 'more than' and 'equal to' when comparing numbers up to 100.

I can find one more than a number.

I can find one less than a number.

Learning Journey – Addition and Subtraction

Autumn unit 1.1 (2 weeks)	Autumn unit 1.4 (2 weeks)	Spring unit 1.5 (1 week)	Spring unit 1.8 (1 week)
<p>I can subitise 1, 2 and 3.</p> <p>I can recognise parts within a whole (2 and 3).</p> <p>I can subitise 4 and 5.</p> <p>I can recognise parts within a whole (4 and 5).</p> <p>I can solve problems using my knowledge of parts within a whole.</p>	<p>I can solve problems involving addition within 10 (<i>augmentation – add more</i>)</p> <p>I can find a missing part.</p> <p>I can solve problems involving subtraction within 10.</p> <p>I can solve problems by finding the difference.</p>	<p>I can solve problems involving addition within 20 (<i>aggregation – add together</i>)</p> <p>I can solve problems involving addition within 20 (<i>augmentation – add more</i>)</p>	<p>I can find the double of a number.</p> <p>I can solve addition problems using near doubles.</p>
Autumn unit 1.2 (2 weeks)		Summer unit 1.12 (2 weeks)	
<p>I can recognise parts within a whole (6, 7, 8, 9).</p> <p>I can represent and use number bonds within 10.</p> <p>I can represent and use number bonds to 10.</p> <p>I can solve problems involving addition within 10. (<i>aggregation – add together</i>)</p>		<p>I can represent and use number bonds and related subtraction facts within 20.</p> <p>I can solve problems involving subtraction within 20.</p> <p>I can solve problems by finding the difference</p> <p>I can solve problems involving addition and subtraction.</p> <p>I can solve problems involving missing numbers.</p>	

Learning Journey – Multiplication and Division

Autumn unit 1.3 (1.5 weeks)	Spring unit 1.6 (2 weeks)	Summer unit 1.10 (2 weeks)
<p>I can count in 10s.</p> <p>I can count in 2s.</p> <p>I can count in 5s.</p> <p>I can make equal groups using concrete objects.</p> <p>I can make equal groups using pictorial representations.</p> <p>I can add equal groups.</p>	<p>I can count in 10s.</p> <p>I can count in 2s.</p> <p>I can count in 5s.</p> <p>I can make equal groups using arrays (concrete).</p> <p>I can make equal groups using arrays (pictorial).</p> <p>I can add equal groups.</p> <p>I can divide by grouping.</p> <p>I can divide by sharing.</p>	<p>I can count in 10s.</p> <p>I can count in 2s.</p> <p>I can count in 5s.</p> <p>I can solve one-step problems by adding equal groups.</p> <p>I can solve one-step problems by grouping.</p> <p>I can solve one-step problems by sharing.</p>

Learning Journey – Fractions

Autumn unit 1.3 (1.5 weeks)	Spring unit 1.6 (1 week)	Summer unit 1.11 (2 weeks)
<p>I can recognise half of a shape.</p> <p>I can recognise half of an object.</p> <p>I can recognise half of a quantity.</p>	<p>I can recognise, find and name a half as one of two equal parts of an object, shape or quantity.</p> <p>I can recognise, find and name a quarter of a shape.</p>	<p>I can recognise, find and name a half as one of two equal parts of an object, shape or quantity.</p> <p>I can recognise, find and name a quarter of a shape.</p> <p>I can recognise, find and name a quarter of an object.</p> <p>I can recognise, find and name a quarter of a quantity.</p>

Learning Journey – Measurement

Autumn unit 1.2 (1 week)	Spring unit 1.5 (1 week)	Spring unit 1.9 (2 weeks)	Summer unit 1.13 (3 weeks)
<p>I can compare the length of two objects using words like <i>longer</i>, <i>taller</i> and <i>shorter</i>.</p> <p>I can order objects by length or height from shortest to longest.</p> <p>I can compare the mass of two objects using words like <i>heavier</i> and <i>lighter</i>.</p> <p>I can order objects by mass from lightest to heaviest.</p> <p>I can describe containers using words like <i>full</i>, <i>empty</i>, <i>half full</i>, and <i>nearly full</i>.</p>	<p>I can use words like before, after and later to explain my daily routine.</p> <p>I can name the days of the week in order.</p> <p>I can say what day it is today, yesterday, and tomorrow.</p> <p>I can name and match coins like 1p, 2p, 5p, 10p, 20p, 50p, £1, and £2.</p> <p>I can count using 1p coins to make amounts.</p> <p>I can use different coins to make the same amount (e.g, $1p + 1p + 1p + 1p + 1p = 5p$, or $2p + 2p + 1p = 5p$).</p>	<p>I can measure length or height using cubes or other objects.</p> <p>I can use balance scales to compare weight.</p> <p>I can describe containers using words like full, empty, half full and nearly full.</p> <p>I can measure and record how much a container holds using cups or other units.</p> <p>I can say which coin is worth more or less.</p> <p>I can name and match notes like £5, £10 and £20.</p> <p>I can name the months of the year.</p> <p>I can use words like morning, afternoon and evening to talk about time.</p> <p>I can talk about time using words like second, minutes and hours.</p> <p>I can tell the time to the hour.</p> <p>I can draw the hands on a clock face to show time to the hour.</p>	<p>I can solve practical problems for length using words like longer, taller, shorter.</p> <p>I can measure length or height using a ruler.</p> <p>I can solve practical problems for length using words like double and half.</p> <p>I can solve practical problems for mass using words like heavier than and lighter than.</p> <p>I can solve practical problems for capacity and volume.</p> <p>I can solve practical problems for time using words like quicker, slower, earlier, later.</p> <p>I can recognise and use language relating to dates, including days of the week, weeks, months and years.</p> <p>I can tell the time to the nearest half hour.</p> <p>I can draw the hands on a clock face to show time to the nearest half hour.</p> <p>I can recognise and know the value of different coins and notes.</p>

Learning Journey – Geometry (properties of shape and position and direction)

Autumn unit 1.3 (1.5 weeks)	Spring unit 1.6 (2 weeks)	Summer unit 1.11 (2 weeks)
<p>I can recognise and name common 3D shapes.</p> <p>I can recognise and name common 2D shapes.</p>	<p>I can recognise and name common 3D shapes.</p> <p>I can sort 3D shapes.</p> <p>I can recognise and name common 2D shapes.</p> <p>I can sort 2D shapes.</p>	<p>I can recognise and name common 3-D shapes [for example, cuboids (including cubes), pyramids and spheres].</p> <p>I can recognise and name common 2-D shapes [for example, rectangles (including squares), circles and triangles]</p>
	<p>I can describe position, direction and movement, including whole turns.</p> <p>I can describe position, direction and movement, including half turns.</p>	<p>I can describe position, direction and movement, including quarter turns.</p> <p>I can describe position, direction and movement, including three- quarter turns.</p>

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