

HIAS MOODLE+ RESOURCE

HIAS Scheme of Learning for Mathematics

Medium Term Plans for Reception and Year One

HIAS Maths Team
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Final version

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Overview

This document contains...

Medium-term overview plans for YR and Y1 designed to support single age and mixed age classes

Points to consider when using this resource

This medium-term plan identifies the key objectives in each unit in Year 1

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.

For those classes where EYFS is taught alongside Y1, some suggestions for appropriate foci are included.

These are based on the 2021 ELGs and teachers should make a professionally informed decision as to when YR pupils are ready to progress to numbers up to 20.

Early Learning Goals from 2021

Number

- Have an understanding of numbers to 10, linking names of numbers, numerals, their value, and their position in the counting order.
- Subitise (recognise quantities without counting) up to 5.
- Automatically recall number bonds for numbers 0-5 and for 10, including corresponding partitioning facts.

Numerical Patterns

- Automatically recall double facts up to $5+5$.
- Compare sets of objects up to 10 in different contexts, considering size and difference.
- Explore patterns of numbers within numbers up to 10, including evens and odds.

Y1 Units	Hours	Domain	EYFS	Y1 objectives
1.1	20	Number & Place Value Addition and Subtraction	<ul style="list-style-type: none"> Have an understanding of numbers to 10, linking names of numbers and numerals Begin to gain a concept of quantity and value Begin to recognise small quantities (2 and 3 items) 	<ul style="list-style-type: none"> Given a number, identify one more and one less. Identify and represent numbers using objects Read numbers from 1 to 20 in numerals Partition 5 into two parts and solve problems with number bonds to 5
1.2	15	Measurement Addition and subtraction	<ul style="list-style-type: none"> Develop an awareness of money through role play and practical experiences Use the language 'more than' and 'fewer than' Accurately count up to 5 objects, including pennies 	<ul style="list-style-type: none"> Recognise and know the value of different coins Compare and describe lengths using comparative language and non-standard units Partition 5,6 and 7 into two parts and solve problems involving these number bonds Read write and interpret mathematical statements involving the symbols + / - =
Half term				
1.3	15	Multiplication and division Fractions with Geometry	<ul style="list-style-type: none"> Develop and awareness of halving and fairness through sharing in practical contexts Explore the characteristics of everyday objects and shapes and begin to use mathematical language to describe them 	<ul style="list-style-type: none"> Count reliably in 2s Share objects equally Solve problems involving sharing and grouping. Recognise and name a half as one of two equal parts of a shape or quantity Recognise and name common 2D shapes
1.4	10	Number & Place Value Addition and Subtraction with Statistics	<ul style="list-style-type: none"> Compare sets of objects up to 5 items in different contexts Explore patterns of numbers of items up to 5 	<ul style="list-style-type: none"> Count in 2s to 20 and in 10s to 100 Count back from any number from 20 to zero Read numbers from 20 to 50 Order numbers up to 50 Given a numbers, identify one more and one less. Use partitioning of 5,6 and 7 to derive associate subtraction facts Read , write and interpret mathematical statements to 10 Solve one-step problems involving addition and subtraction
Christmas				

Y1 Units	Hours	Domain	EYFS	Y1 objectives
1.5	20	Number & Place Value / Addition and Subtraction Measurement (Time, Mass)	<ul style="list-style-type: none"> Use everyday language to talk about size, weight and time Compare quantities and objects to solve a problem 	<ul style="list-style-type: none"> Derive partitions for 8,9 and 10 Use partitions of 1-digit numbers and 10 to derive associated subtraction facts Read, write, and interpret mathematical statements to 20 Solve one-step problems with numbers to 20 and addition, focussing on teens. Tell the time to the hour and half past Solve practical problems involving mass using comparative language
1.6	15	Fractions / Geometry Y2 Multiplication and division	<ul style="list-style-type: none"> Recognise, create and describe patterns using everyday objects and shapes Explore the characteristics of everyday shapes and use mathematical language to describe them Accurately count up to 20 objects Solve problems involving doubling, halving and sharing 	<ul style="list-style-type: none"> Recognise and name common 2D shapes Recognise and name a half and a quarter as one of two or four equal parts of a shape Count reliably in 2s and 10s Solve one-step problems involving groups of 2 and 10 Share objects equally by counting how many in each group
Half term				
1.7	15	Number and Place Value Subtraction and Addition with Statistics	<ul style="list-style-type: none"> Count reliably in 1s from 1 to 20 Place numbers in order and say which number is one more or one less than a given number 	<ul style="list-style-type: none"> Count to 100 forwards from any number Count in 2s to 20 and 10s to 100 Read numbers from 0 to 100 and order them, crossing tens boundaries Count back from 50; Add 10 to a number. Given a number, identify one more and one less. Revise and use partitions of all numbers up to 10 Solve one-step problems involving numbers to 20 and addition and subtraction.
1.8	10	Addition and Subtraction Measurement (money)	<ul style="list-style-type: none"> Develop an awareness of money through role play and practical experiences reliably counting out up to 5p in pennies 	<ul style="list-style-type: none"> Recognise and know the value of different notes and coins Count forwards to 100 (pennies in a £) Count in 2ps to 20p and 10ps to 100p Know that 100p = £1 Given a total, identify 1p more and less Add and subtract 10p from an amount of money

Y1 Units	Hours	Domain	EYFS	Y1 objectives
1.9	10	Addition & Subtraction Measurement (mass, length, temperature, capacity) Geometry	<ul style="list-style-type: none"> Count reliably in 1s from 1 to 20 Place numbers in order and say which number is one more or one less than a given number Using quantities and objects, add and subtract two single-digit numbers and count on or back to find the answer Talk about and compare size, weight, capacity and length using mathematical language 	<ul style="list-style-type: none"> Solve practical problems involving mass using comparative language Measure and begin to record mass using non-standard units Combine the mass of two objects to find the total and the difference (non-standard units) Read write and interpret mathematical statements involving the symbols + / - = Solve addition and subtraction one-step problems in the context of mass.
Easter				
1.10	10	Multiplication and Division	<ul style="list-style-type: none"> Find the total number of items in two groups by counting them all Double small numbers using materials such as dice Share objects equally and fairly by putting them into two equally sized groups 	<ul style="list-style-type: none"> Count reliably in 2s and 10s Begin to count in 5s Solve one-step problems involving multiplication using arrays and groups of 5. Recognise that 5 is half of 10 Solve one-step problems involving multiplication and division using arrays and groups of 2 and 10. Understand division by 2 is linked to a half as one of two equal parts.
1.11	5	Geometry (Y1)	<ul style="list-style-type: none"> Recognise, create and describe shape patterns 	<ul style="list-style-type: none"> Recognise and name 3D shapes Describe position, direction and movements ($\frac{1}{2}$, $\frac{1}{4}$, $\frac{3}{4}$ turn)
1.12	20	Number and Place Value Addition and subtraction	<ul style="list-style-type: none"> Subitise up to 5 Recall number bonds for 0-5 and for 10 Be able to partition a number from 2-5 and 10 into two unequal or equal parts Have an understanding of numbers to 10, linking names of numbers, numerals, their value, and their position in the counting order 	<ul style="list-style-type: none"> Count to and across 100 Count, read, and write numbers to 100 in numerals Given a number, identify one more and one less Read and write numbers to 20 in numerals and words Represent and use number bonds and associated subtraction facts within 20 Solve missing number problems involving bonds to 10
Half term				

Y1 Units	Hours	Domain	EYFS	Y1 objectives
1.13	10	Fractions Multiplication and division	<ul style="list-style-type: none"> Recall double facts up to 5+5 Explore patterns of numbers within numbers to 10, including odds and evens Be able to halve small groups of objects in practical situations 	<ul style="list-style-type: none"> Count in multiples of 2s, 5s and 10s Solve one-step problems involving multiplication and division Recognise, find and name a half and a quarter as one of two or four equal parts of an object, shape or quantity
1.14	10	Measure Capacity Volume Time Money	<ul style="list-style-type: none"> Compare sets of objects up to 10 in different contexts, considering size and difference Develop an awareness of time passing and begin to use the language of time (next, before) to sequence personal events Have an awareness of money through role play and practical experiences, reliably counting out up to 10p in pennies and 2ps 	<ul style="list-style-type: none"> Compare, describe, and solve practical problems involving capacity and volume Measure and begin to record capacity and volume in non-standard units Sequence events in chronological order using the language of time such as days of the week and months Tell the time to the hour and half past.
1.15	5	Geometry	<ul style="list-style-type: none"> Develop, use and understand positional language Explore 2D and 3D shape through construction and patterns 	<ul style="list-style-type: none"> Recognise and name common 2D and 3D shapes Describe position, directions and movements including $\frac{1}{2}$, $\frac{1}{4}$, $\frac{3}{4}$ turns
Summer				

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For further details on the full range of services available please contact us using the following details:

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