Hampshire Services
HIAS SCHOOL IMPROVEMENT

HIAS HOME LEARNING RESOURCE

Year 3 Summer Term 2020 Overview

Resource for Teachers

HIAS Maths Team
Spring 2020
Final version

Hampshire County Council

www.hants.gov.uk

Overview

The HIAS maths team have put together a suggested overview of maths units for the summer term which would enable children to engage in some mathematical thinking across all the domains in the mathematics curriculum. The areas of mathematics suggested are those which children would find easiest to access independently while at home. Each unit has some of the national curriculum statements for that domain but does not include all the statements. The overview and the linked documents are intended to support teacher's in their choices of tasks for home learning over the coming weeks.

For each unit of work we will provide some examples of a problem for the unit, giving a 'model' answer for the task and then similar tasks for further practise with answers.

We welcome feedback on these resources.

Year 3 Summer Term 2020

This document is intended for teachers to use and not for sharing with parents.

This document provides an overview of the areas of mathematics that could be supported at home by parents or carers during the summer term 2020. This is based on the Hampshire Scheme of Learning, which is available to schools subscribing to Moodle Plus (https://maths.hias.hants.gov.uk) and seeks to cover a wide range of key ideas across the domains of the maths curriculum.

Summer 1

Week	Domain	Unit Objectives
1 2 3	NPV Multiplication and Division	• Recognise that tenths arise from dividing one-digit numbers or quantities by 10 • Derive, recall and use multiplication and division facts for 3, 4 and 8 multiplication tables • Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, using mental strategies • Solve problems including missing number problems involving multiplication and division, recording solutions with a range of representations to include number-lines, bar-models and arrays
4 5	Geometry	• Use the vocabulary of parallel, perpendicular, horizontal and vertical lines to describe and classify 2-D shapes • Recognise 3-D shapes in different orientations and describe them • Construct prisms and pyramids with prepared nets, describe the shape of the faces

Summer 2

Week	**Domain**	**Unit Objectives**
1 2	Addition and Subtraction	• Add and subtract numbers mentally including a three-digit numbers and ones; tens ; hundreds (348 + 4; 348 + 40; 348 + 400) • Add and subtract numbers with up to three digits using a range of written strategies as appropriate • Estimate the answer to a calculation and use inverse operations to check answers • Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction as appropriate
3 4	Multiplication and Division	• Recall and use multiplication and division facts for the 3,4,8 multiplication tables • Write and calculate mathematical statements for multiplication and division using the tables they know, including for two-digit numbers times one-digit numbers, using mental strategies and written strategies as appropriate (use arrays to underpin grid method)

		• Solve problems, including missing number problems, involving multiplication and division, including integer scaling problems (e.g. four times as high) and correspondence problems in which m objects are connected to n objects (e.g. 3 hats and 4 coats, how many different outfits? 12 sweets shared equally between 4 children; 4 cakes shared equally between 8 children)
5	Fractions	• Add and subtract fractions with the same denominator within one whole (e.g. 5/7 + 1/7= 6/7) • Compare and order unit fractions • Compare and order fractions with the same denominator
6	Measures: Money / Time	• Add and subtract amounts of money to give change, using both £ and p in practical contexts. • Tell the time from an analogue clock, including using Roman numerals I to XII, 12-hour and 24-hour clocks. Use vocabulary such as a.m./p.m., midnight and noon • Record and compare time in terms of seconds, minutes, hours and o'clock, comparing durations of events
7	Measures: Length	• Measure, compare, add and subtract lengths (m/cm/mm) • Measure and compare the perimeter of simple 2-D shapes in practical contexts • Solve problems involving length

HIAS Maths Team

The HIAS Maths team offer a wide range of high-quality services to support schools in improving outcomes for learners, including courses, bespoke consultancy and in-house training.

During the current school closures, we are still offering school support in a variety of ways such as video conferencing, phone calls and bespoke creation of resources remotely. Coming soon will be teacher training via virtual classrooms.

We would be happy to discuss your needs.

For further details referring to mathematics, please contact Jacqui Clifft Jacqui.clifft@hants.gov.uk or Jo Lees: Jo.Lees@hants.gov.uk

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

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Keep up-to-date with our learning opportunities for each subject through our Upcoming Course pages linked below. To browse the full catalogue of learning offers, visit our new Learning Zone. Full details of how to access the site to make a booking are provided here.

- English
- Maths
- Science
- Geography
- RE
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- Computing
- Art
- D&T
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