Year 1 Summer Term 2021

This document could be used by all schools to support teachers in planning learning in all domains of mathematics during the summer term 2021. It is based on the Hampshire Scheme of Learning (HSL), which is available to schools subscribing to Moodle Plus (https://maths.hias.hants.gov.uk). It does not include all national curriculum statements. Teachers will need to adapt these plans based on prior planning and assessment.

The careful sequencing of domains encourages pupils to make links across domains and supports teachers' use of effective strategies supporting recall of learning, particularly spaced practice and retrieval practice, identified through cognitive psychology research (Weinstein, Sumeracki and Caviglioli, 2019). It is important that children are prompted to access their memories of prior teaching and learned knowledge during periods of remote teaching.

The number of lessons provides a suggested structure, based on hourly lessons.

It will be important for teachers to plan a sequence of a few key tasks and linked skills practise as a 'learning journey' for each unit of work. Pupils will need support to understand the problem and have examples of how to record their solutions. Further examples of similar problems to the key task, using variation techniques, will support pupils to develop confidence and independence with each task.

This document also shows where 'Ready -to- Progress' criteria (RTPs) from the DFE Teaching Mathematics: Guidance for Key Stage 1 and 2 (June 2020)* document could be used to support review, practice, and consolidation. The National Centre for the

Teaching of mathematics (NCETM) has produced resource materials to support the RTPs. Each RTP has linked resources, including power point slides, which could be used to support modelling of key mathematical concepts

*(DfE Mathematics Guidance: Key stage 1 and 2, June 2020, https://www.ncetm.org.uk/in-the-classroom/teaching-maths-through-the-pandemic/support-with-2020-dfe-guidance/

The NCETM supporting resource materials can be found at:

https://www.ncetm.org.uk/classroom-resources/exemplification-of-ready-to-progress-criteria/

Points to consider when using RTP resources:

They should be used flexibly, guided by pupils' response, repeating activities where pupils lack confidence. Materials from Year 1 may support addressing gaps and misconceptions for whole class, small groups or 1:1 focused intervention. The ready-to-progress criteria are intended as goals for the end of the year.

Summer 1

Lessons	Domains	Objectives (HSL Unit 1.10)	DfE RTPs
10	Multiplication and division	• **Count reliably in 2s and 10s**. • **Introduce counting in 5s.** • Link counting in 5s to grouping objects and to the pattern of numbers on a number-line. • Solve problems involving groups of 5 objects using pictorial recording. • Rehearse together the language of 'How many groups of 5 are there?' ~ 'There are 3 groups of 5' • **Solve one-step problems involving multiplication**, focussing on groups of 5, **using concrete objects, pictorial representations and arrays with the support of the teacher.** • **Solve one-step problems involving multiplication and division**, focussing on groups of 2 and 10, **using concrete objects, pictorial representations and arrays with the support of the teacher.** • **Recognise that 5 is half of 10** and show using concrete resources and diagrams. **Recognise , find and name a half as one of two equal parts of a quantity** (division by 2)	1NF-2

Lessons	Domains	Objectives (HSL Unit 1.11)	DfE RTPs
5	Geometry	• **Recognise and name 3-D shapes including cuboids, pyramids and spheres** • **Describe position, directions and movements, including half, quarter and three-quarter turns.**	1G-1

Lessons	Domains	Objectives (HSL Unit 1.12)	DfE RTPs
20	NPV Addition and subtraction	• **Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number** • **Count, read and write numbers to 100 in numerals.** • **Given a number, identify one more and one less** • **Identify and represent numbers using objects and pictorial representations, including the number-line, and use the language of: equal to, more than, less than (fewer), most, least.** • **Read and write numbers from 1 to 20 in numerals and words.** • **Read, write and interpret mathematical statements involving addition (+) , subtraction (-) and equals (=) signs.** • **Represent and use number bonds and related subtraction facts within 20.** • **Add and subtract one-digit and two-digit numbers to 20, including zero.** • **Solve one-step problems that involve addition and subtraction using concrete objects and pictorial representations, and missing number problems such as 7 = Δ - 9**	1NPV-1 1NPV-2 1NF-1 1NF-2 1AS-1 1AS-2

Summer 2

Lessons	Domains	Objectives (HSL 1.13)	DfE RTPs
5	Fractions Multiplication and division	• **Count in multiples of 2s, 5s and 10s.** • **Solve one step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher.** • **Recognise find and name a half as one of two equal parts of an object, shape or quantity. Recognise find and name a quarter as one of four equal parts of an object, shape or quantity.**	**1NF-2**

Lessons	Domains	Objectives (HSL 1.14)	DfE RTPs
10	Measure Capacity/volume Time	• **Compare, describe and solve practical problems for capacity / volume (full/empty, more than/less than, half , quarter)** • **Measure and begin to record capacity and volume.** • **Sequence events in chronological order using language such as: before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening.** • **Recognise and use language relating to dates, including days of the week, weeks, months and years.** • **Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times.**	

Lessons	Domains	Objectives (HSL 1.15)	DfE RTPs
10	Geometry	• **Recognise and name common 2-D shapes, including squares, circles, rectangles and triangles** • **Recognise and name 3-D shapes, including cuboids, pyramids and spheres.** • **Describe position, directions and movements including half, quarter and three-quarter turns.**	**1G-1**