



Baljaffray Primary School
Numeracy and Mathematics Home Learning Links for Term 1

First Level Numeracy and Mathematics
Learning Steps Progression

PHASE 5: PRIMARY 4

GAMES WEBSITES for Multiple Concepts at Different Levels

<https://www.topmarks.co.uk/maths-games/hit-the-button>

<https://www.topmarks.co.uk/maths-games/daily10>

<https://sct.mathgames.com/skills/>

<https://www.ictgames.com/mobilePage/index.html>

<http://www.snappymaths.com/>

http://www.mrcrammond.com/curriculum_for_excellence_maths.html



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FIRST LEVEL		PHASE 5: PRIMARY 4	
Curriculum Organisers	Number and number processes including addition, subtraction, multiplication, division and negative numbers	Experiences and Outcomes	<i>I can use addition, subtraction, multiplication and division when solving problems, making best use of the mental strategies and written skills I have developed.</i> MNU 1-03a
<p>Multiplication and Division</p> <ul style="list-style-type: none"> • I can use counting strategies to multiply a single digit by 2, 3, 4, 5 and 10 • I can mentally multiply and divide whole numbers by 10 and 100 (whole number answers only) • I can multiply multiples of 10 by 2, 3, 4 and 5 • I can multiply a 2-digit number by 2, 3, 4 or 5, e.g. $43 \times 5 = (40 \times 5) + (3 \times 5) = 200 + 15 = 215$ • I can solve problems involving multiplication and division (including with remainders) and can share my strategies • I can begin to use the written algorithm to solve multiplication and division calculations involving 3-digit numbers or more (no remainders) • I can solve 2 step word problems 			
<p>Hit the Button: https://www.topmarks.co.uk/maths-games/hit-the-button</p> <p>Daily 10: https://www.topmarks.co.uk/maths-games/daily10</p> <p>Mental Maths Train: https://www.topmarks.co.uk/maths-games/mental-maths-train</p> <p>Archery Doubles: https://www.ictgames.com/mobilePage/archeryDoubles/index.html</p> <p>Duck Shoot: https://www.ictgames.com/mobilePage/duckShoot/index.html</p> <p>Finger Counter: https://www.ictgames.com/mobilePage/fingerCount/index.html</p> <p>Funky Mummy: https://www.ictgames.com/mobilePage/funkyMummy/index.html</p> <p>Bunny Battlefront: https://www.ictgames.com/mobilePage/bunny/index.html</p> <p>Doggy Division: https://www.ictgames.com/mobilePage/doggyDivision/index.html</p> <p>Tables Tennis: https://www.ictgames.com/tablesTennis/mobile/index.html</p> <p>Number Facts Bingo: https://www.ictgames.com/mobilePage/numberFactBingo/</p>			



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Calculation Balance: <https://www.topmarks.co.uk/Flash.aspx?f=CalcBalancev5>

Loop Cards: <https://www.topmarks.co.uk/Flash.aspx?f=loopcardsv6>



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FIRST LEVEL		PHASE 5: PRIMARY 4	
Curriculum Organisers	Fractions, decimal fractions and percentages	Experiences and Outcomes	<p><i>Having explored fractions by taking part in practical activities, I can show my understanding of:</i></p> <ul style="list-style-type: none"> • <i>how a single item can be shared equally</i> • <i>the notation and vocabulary associated with fractions</i> • <i>where simple fractions lie on the number line. MNU 1-07a</i> <p><i>Through exploring how groups of items can be shared equally, I can find a fraction of an amount by applying my knowledge of division. MNU 1-07b</i></p> <p><i>Through taking part in practical activities including use of pictorial representations, I can demonstrate my understanding of simple fractions which are equivalent. MTH 1-07c</i></p>
<ul style="list-style-type: none"> • I can use concrete materials to investigate breaking a whole into parts • I can solve equal sharing problems with answers that are mixed numbers and fractions less than, e.g. share 13 cakes between 6 people • I can identify where simple fractions lie on an empty number line • I understand the relationship between division/simple fractions and can find fractions of whole numbers • I have explored simple equivalences • I can recognise and use simple fractional notation, in word and mathematical form • I can explain the role of the numerator and denominator • I have an awareness of how to record fractions as decimal fractions (tenths) 			
<p>Fraction Finder: https://www.ictgames.com/mobilePage/fractions/index.html</p> <p>Firepit Fractions: https://www.ictgames.com/mobilePage/firepitFractions/index.html</p> <p>Equivalent Fractions: https://www.ictgames.com/mobilePage/equivalence/index.html</p> <p>Fresco Fractions: https://www.ictgames.com/mobilePage/fractionFresco/index.html</p> <p>Funky Mummy: https://www.ictgames.com/mobilePage/funkyMummy/index.html</p>			



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FIRST LEVEL		PHASE 5: PRIMARY 4	
Curriculum Organisers	Time	Experiences and Outcomes	<p><i>I can tell the time using 12 hour clocks, realising there is a link with 24-hour notation, explain how it impacts on my daily routine and ensure that I am organised and ready for events throughout my day. MNU 1-10a</i></p> <p><i>I can use a calendar to plan and be organised for key events for myself and my class throughout the year. MNU 1-10b</i></p> <p><i>I have begun to develop a sense of how long tasks take by measuring the time taken to complete a range of activities using a variety of timers. MNU 1-10c</i></p>
<ul style="list-style-type: none"> •I can tell the time using quarter to on digital clocks •I can calculate durations in half hour intervals •I can identify 24-hour notation and begin to make the link between the 24hr and 12hr clock •I can use and apply my knowledge of the calendar to work out durations and plan events •I can record dates in a variety of formats •I can express time in a variety of formats •I know the number of weeks and days in a year 			
<p>Hickory Dickory Clock: https://www.ictgames.com/mobilePage/hickoryDickory/index.html</p> <p>Clock Demonstrator: https://www.ictgames.com/mobilePage/clock/index.html</p> <p>Telling the Time, Level 4: https://mathsframe.co.uk/en/resources/resource/116/telling-the-time</p> <p>On Time! Level 4: https://www.sheppardsoftware.com/mathgames/earlymath/on_time_game4.htm</p> <p>Ordering Units of Time: http://www.snappymaths.com/other/measuring/time/interactive/orderunitsofime/orderunitsofime.htm</p> <p>Matching Time Pairs: https://www.topmarks.co.uk/Flash.aspx?f=matchingpairstimev3</p>			



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FIRST LEVEL		PHASE 5: PRIMARY 4	
Curriculum Organisers	Measurement	Experiences and Outcomes	<p><i>I can estimate how long or heavy an object is, or what amount it holds, using everyday things as a guide, then measure or weigh it using appropriate instruments and units. MNU 1-11a</i></p> <p><i>I can estimate the area of a shape by counting squares or other methods. MNU 1-11b</i></p>
<p>Length</p> <ul style="list-style-type: none"> • I can measure and estimate using mm • I can record the measurement of length to the nearest standard unit, e.g. mm, cm or m • I can make simple conversions, e.g. 1m 67cm = 167cm • I can estimate, compare and order lengths of objects using cm and m • I can read scales accurately organised in simple graduations 			
<p>Measuring in half cm (Level 2): https://www.topmarks.co.uk/maths-games/measuring-in-cm</p> <p>Reading Scales - 10s: http://www.snappymaths.com/other/measuring/othermeasure/interactive/scales10smidint/scales10smidint.htm</p>			
<p>Weight</p> <ul style="list-style-type: none"> • I can estimate and measure in grams • I know 1000g is 1kg and 500g is $\frac{1}{2}$ kg • I can record the measurement of weight to the nearest standard unit, e.g. g or kg • I can make simple conversions, e.g. $3\frac{1}{2}$ kg = 3500g • I can estimate, compare and order the weight of objects using g and kg • I can read scales accurately organised in simple graduations 			
<p>Mostly Postie: https://www.ictgames.com/mobilePage/mostlyPostie/index.html</p>			
<p>Volume</p> <ul style="list-style-type: none"> • I can estimate and measure in ml • I know 1000ml is 1 litre and 500ml is $\frac{1}{2}$ litres • I can record the measurement of volume to the nearest standard unit, e.g. ml or l • I can make simple conversions, e.g. $7\frac{1}{2}$l = 7500ml • I can estimate, compare and order the volume of containers using ml and l 			



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- I can read scales accurately organised in simple graduations

Reading Scales (Level 1): https://www.transum.org/Maths/Activity/Reading_Scales/Default.asp?Level=1