



Ready to Progress Criteria & Number Fun Quick Links

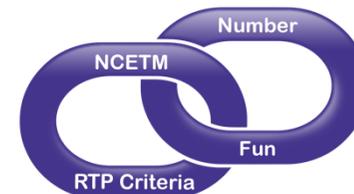
Year 2

Here is a Quick Link reference guide to help you link 2020 DfE ready-to-progress criteria* for Year 2 with the Number Fun resources.

This document contains:

- **Key Number Fun Song Video** – the ideal video to help children begin to explore this RTP Criteria.
- **Additional Number Fun Links** – additional material to support and extend the learning in this RTP Criteria.

Many song videos are accompanied by Teacher Ideas Packs, designed to provide creative games and activities to support the teaching of each objective.



For access to Dave's online training to support the concepts covered in the Ready to Progress Criteria strands, please check out our training portal: <https://teach.numberfun.com>

KEY:

SV = Song Video

SHOP: Additional Downloadable PDF Resources

TCV: Additional Concept Video

	Year 1 ready-to-progress criteria	Key Song Video	Additional Links	Year 2 ready-to-progress criteria	Key Song Video	Additional Links
Number & Place Value	1NPV-1 Count within 100, forwards and backwards, starting with any number.	<u>Beans (5-7)</u> <i>(Children count on and back in ones and in patterns. Easily adapted to count in multiple ways using Backing Track.)</i>	<u>SV: Perfect Patterns</u> <u>SHOP: 1-120 Number Grid</u> <u>SHOP: Number Line Strips</u>	2NPV-1 Recognise the place value of each digit in two-digit numbers, and compose and decompose two-digit numbers using standard and non-standard partitioning.	<u>Papa Titoning</u> <i>(Papa Titoning arranges his logs in stacks of 10 and loose logs (mirroring the Base 10 equipment). This video helps children partition 2-digit numbers in combinations of tens and ones.)</i>	<u>SV: Mick the Mechanic</u> <u>SV: Mick the Mechanic (Story version)</u>
	1NPV-2 Reason about the location of numbers to 20 within the linear number system, including comparing using < > and =.	<u>It's My Birthday Today</u> <i>(This song explores the concepts of one more and one less in the context of how many years old someone is.)</i>	<u>SV: Counting on My Number Line</u> <u>SHOP: Number Posters</u> <u>TCV: It's My Birthday Today</u>	2NPV-2 Reason about the location of any two-digit number in the linear number system, including identifying the previous and next multiple of 10.	<u>Rounding</u> <i>(This video helps children reason about the next and previous multiples of 10, the basis for rounding a number to the nearest 10. It uses the image of a Slavonic Abacus)</i>	<u>SHOP: Number Line Strips</u> <u>SHOP: 1-120 Number Grid</u>
Number Facts	1NF-1 Develop fluency in addition and subtraction facts within 10.	<u>Bananas</u> <i>(This song provides a context for exploring addition and subtraction facts. It can be easily adapted for alternative facts.)</i>	<u>SV: The Tens Frame Song</u> <u>SV: Knickers</u> <i>(Video is powerful for reasoning about different ways to making number to 10)</i> <u>SHOP: 10s Frame Bus</u>	2NF-1 Secure fluency in addition and subtraction facts within 10, through continued practice.	<u>Sticky Toffees</u> <i>(A very simple idea that helps children explore bonds up to 10. Easily adapted)</i>	<u>SV: The Number Fun Table Tennis Championships</u> (first half of video) <u>SV: Number Fun Zoo</u>

Number Facts	<p>1NF-2 Count forwards and backwards in multiples of 2, 5 and 10, up to 10 multiples, beginning with any multiple, and count forwards and backwards through the odd numbers.</p>	<p><u>Beans (5-7)</u> (Children count on and back in ones and in multiples. Counts back in 10s, on in 2s for both even and odd numbers, and on in 5s.)</p>	<p><u>SV: Number Fun Rocket</u> <u>SV: Mr. Noah</u> <u>SV: Multiple Battle 5s v 10s</u></p>			
	Addition and Subtraction	<p>1AS-1 Compose numbers to 10 from 2 parts, and partition numbers to 10 into parts, including recognising odd and even numbers.</p>	<p><u>Little Counters</u> (This song uses the Part/Whole Model and partitions a set of counters into two parts. Adapt to explore bond facts for other numbers.)</p>	<p><u>SV: Farmer Pete</u> <u>SV: Plodd and Steven</u> (Exploring Odd and Evens) <u>SHOP: Part/Whole Models</u></p>	<p>2AS-1 Add and subtract across 10.</p>	<p><u>Farmer Pete's Chicken Song</u> (Farmer Pete's chickens lay their hens in the hen house and the barn. How many altogether?)</p>
<p>1AS-2 Read, write and interpret equations containing addition (+), subtraction (-) and equals (=) symbols, and relate additive expressions and equations to real-life contexts.</p>		<p><u>Apples</u> (This song explores the three structures within subtraction in the context of apples.)</p>	<p><u>SV: Funky Pictures</u> (Addition) <u>SV: Balance</u> (Equals Sign) <u>SHOP: 10s Frame Bus</u></p>	<p>2AS-2 Recognise the subtraction structure of 'difference' and answer questions of the form, "How many more...?".</p>	<p><u>Our Tower</u> (Two sets of builders build their cube towers. These are compared to find the difference between them)</p>	<p><u>SV: The Difference</u> <u>SHOP: Difference Tower Cards</u> <u>TCV: Our Tower</u></p>
				<p>2AS-3 Add and subtract within 100 by applying related one-digit addition and subtraction facts: add and subtract only ones or only tens to/from a two-digit number.</p>	<p><u>My Strategy for Adding 9</u> (This video helps children add 9 to any number by adding 10 and then subtracting 1 from a 2-digit number. Use the video to reason. See the alternative versions of this song and adapt.)</p>	<p><u>SV: My Strategy for Adding 8</u> <u>SV: My Adding 19 Strategy</u></p>
				<p>2AS-4 Add and subtract within 100 by applying related one-digit addition and subtraction facts: add and subtract any 2 two-digit numbers.</p>	<p><u>Pirate Captain Hugh's Addition Song</u> (Pirate Captain Hugh teaches Pirate Captain Bert to add by partitioning. Utilises the Part/Whole model and dienes. Adapt as appropriate.)</p>	<p><u>SV: Farmer Pete's Chickens (Story Version)</u> <u>SV: Papa Titoning's Addition Song</u> (Base 10 visualisation) <u>SV: Papa Titoning's Subtraction Song</u> (Base 10 visualisation)</p>
				<p>2MD-1 Recognise repeated addition contexts, representing them with multiplication equations and calculating the product, within the 2, 5 and 10 multiplication tables.</p>	<p><u>Duck Wars</u> (This is a 5 times table song in which Luke Warmwater's dog, Bath Evader, keeps nicking Luke's bags of rubber ducks – see Teacher Ideas Pack for gamecards.)</p>	<p><u>SV: Table Troopers</u> (There are separate versions for the 2x, 5x and 10x tables) <u>SHOP: Times Table Story Cards</u> <u>SHOP: Array Cards</u> <u>SHOP: Multiplication Posters</u></p>
Multiplication and Division						

Multiplication & Division				2MD-2 Relate grouping problems where the number of groups is unknown to multiplication equations with a missing factor, and to division equations (quotative division).	<u>D.I.G. Division is Grouping</u> <i>(Farmer Pete and Alice plant a flower garden. They know how many flowers they need in each row, but not how many rows they can make from a given dividend.)</i>	<i>SV: Dinosaurs</i> <i>TCV: Division is Grouping</i> <i>(Live video of Farmer Pete planting flower arrays.)</i> <i>TCV: Dinosaurs</i> <i>(Examples of Division by Grouping in action)</i>
Geometry	1G-1 Recognise common 2D and 3D shapes presented in different orientations, and know that rectangles, triangles, cuboids and pyramids are not always similar to one another.	<u>The 3D Shape Song (5-7)</u> <i>(Children are shown photos of 3D shapes and encouraged to identify the shapes by name and property. Version below tackles different shapes)</i> <i><u>SV: The 3D Shape Song</u> (3-5)</i>	<i><u>SV: The 2D Shape Song</u></i> <i><u>SV: Hiding in my Bag</u></i> <i><u>TCV: Bear's 3D Shape Adventure</u></i>	2G-1 Use precise language to describe the properties of 2D and 3D shapes and compare shapes by reasoning about similarities and differences in properties.	<u>Polygon Memory Song</u> <i>(A simple song to help children learn the names of polygons from 3-sided through to 8-sided. See other links for shapes to reason about)</i>	<i>SV: The 3D Shape Song (5-7)</i> <i>SHOP: Polygon Property Pictures</i> <i>TCV: Bear's 3D Shape Adventure</i>
	1G-2 Compose 2D and 3D shapes from smaller shapes to match an example, including manipulating shapes to place them in particular orientations.	-	-			

***DfE Guidance:** 'Teaching mathematics in primary schools June 2020', can be downloaded in full, or per year group, from this page: www.gov.uk/government/publications/teaching-mathematics-in-primary-schools Summary tables on pages 9-15 (of the full, Years 1-6 document) track criteria across year groups. Within the year group documents, the 'Making connections' blue boxes, detail connections across criteria.

Number Fun Resources Search Tool – this is a full hyperlinked listing of all the 320+ Number Fun Song Videos that are categorised according to mathematical domain and sub-domain. This tool is found on the homepage on numberfunportal.com or can be downloaded here: <https://resources.numberfunportal.com/Teacher+Portal/planning-tool.pdf>

Number Fun song videos are designed to be powerful tools for communicating conceptual understanding and stimulating reasoning through story, song, visualisation, animation and humour.

<https://numberfun.com> – For access to all the Number Fun Resources: teaching portals, online training website, visual policies and the Number Fun Shop