

Elmtree Maths Overview - Year R

Autumn Term

Term/ Week	Area of Focus	EYFS LTP inline with Early Years Foundation Stage	Suggested Small Steps (can be used to construct LO and SC)	Key Vocabulary – <i>In addition to the Nursery Vocabulary</i>
	Numerical Pattern / Number	<p>Recite numbers to 10 Forward & backward Finger rhymes (Ten Little Friends) passing games ... forwards, backwards Begin to break counting chain (not always starting from 1) Talk about position ... before, after Count objects, actions and sounds Up to 5 – in context of □ daily routine □ sharing □ turn taking Count objects in an irregular arrangement Subitise up to 5 objects (quick recall without counting) Fast recognition of dice patterns Link the number symbol (numeral) with its cardinal number value to 5 Compare quantities up to 5 ... more than, less than, fewer, who has one more / less Understand 'one more/less than' to 5 Use sentence with support ... Three is one more than two</p>	<p style="text-align: center;"><u>Match, sort and compare</u></p> <p>Match objects Match pictures and objects Identify a set Sort objects to a type Explore sorting techniques Create sorting rules Compare amounts</p> <p style="text-align: center;"><u>Talk about measure and patterns</u></p> <p>Compare size Compare mass Compare capacity Explore simple patterns Copy and continue simple patterns Create simple patterns</p> <p style="text-align: center;"><u>It's me, 1, 2, 3</u></p> <p>Find 1, 2 and 3 Subitise 1, 2 and 3 Represent 1, 2 and 3 1 more</p>	<p>Number One, two, three to twenty and beyond. None Count on/up/to/from/down Before, after More, less, many, few, fewer, fewest, smaller, smallest Equal to, the same as Odd, even Digit Numeral Compare Order Size Value Between Number line Add, more, plus, make, sum, total, altogether Double Half, halve Equals, is the same (including equals sign) How many more to make...? How many more is,,, then,,,? How much more is...? Subtract, take away, minus. Listen, join in Say, think, imagine, remember Start from Look at, point to Put What comes next? Find, use, make, build Tell me, describe,</p>

		<p>Explore the composition of numbers to 5</p> <p>Recognise total is still the same Using variety of resources ... more, less, makes, equals, altogether Begin to explore number bonds to 5 Use a range of resources</p>	<p>1 less Composition of 1,2 and 3</p> <p style="text-align: center;"><u>1, 2, 3, 4, 5</u></p> <p>Find 4 and 5 Subitise 4 and 5 Represent 4 and 5 1 more 1 less Composition of 4 and 5 Composition 1-5</p>	<p>pick out, talk about, explain, show me Read, write Tick, draw a line, ring Cost Count, work out Number line, number track, number square, number cards</p>
	<p>Shape, space and measure</p>	<p>Select, rotate and manipulate shapes in order to develop spatial reasoning skills Create shape picture ...consolidate ...2D shape names Put shapes together to make new shape ... fit, turn Continue, copy and create repeating patterns Talk about pattern ... repeat, next, before, after, in between Begin to compare length, weight and capacity Order 2-3 items by length / weight ... heavier/est, lighter/est, longer/est, shorter/est</p>	<p style="text-align: center;"><u>Circles and Triangles</u></p> <p>Identify and name circles and triangles Compare circles and triangles Shapes in the environment Describe position</p> <p style="text-align: center;"><u>Shapes with 4 sides</u></p> <p>Identify and name shapes with 4 sides Combine shapes with 4 sides Shapes in the environment My day and night</p>	<p>Full, half, empty, Holds, Container, weigh, weighs, balance, Heavy, heavier, heaviest, light, lighter, lightest, Scales, Time, Days of the week: Monday, Tuesday, etc. Seasons: Spring, Summer, Autumn, Winter, Days, week, month, year, weekend, Birthday, holiday Morning, afternoon, evening, night, Bedtime, Over, under, underneath, above, below, top, bottom, side, On, in, outside, inside, In front, behind, Front, back, Before, after, Beside, next to, Middle, Up, down, forwards, backwards. Sideways, Close, far Through, Towards, away, from, Side, roll, turn, Sort, Cube, cuboid, pyramid, sphere, cone, cylinder, circle, triangle, square Shape, Flat, curved, straight, round, Solid, Corner, Face, side Make, build, draw, Whole, Equal, One half, Listen, join in, Say, think, imagine, remember, Start from, Look at, point to, Put</p>

				<p>What comes next? Find, use, make, Build, Tell me, describe, pick out, talk about, explain, show me, Read, write, Tick, draw a line, ring, Cost Count, work out, Number line, number track, number square, number cards, dinnertime, playtime Today, yesterday, Tomorrow, Before, after, next, last, Quickest, fastest, Slowest, Clock, Once, First, second, third Estimate, Too many, too few, Length, height, Longer, longest, shorter, shortest, taller, tallest, higher, highest, Money, coin, penny, pence, pound, price, cost, buy, sell, spend, spent, pay, change, How much? How many?, Total, Over, under, underneath, above, below, top, bottom, side, On, in, outside, Inside, In front, behind, Front, back, Before, after, Beside, next to Middle, Up, down, forwards, backwards. Sideways, Close, far Through, Towards, away, from, Side, roll, turn, Sort, Cube, cuboid, pyramid, sphere, cone, cylinder, circle, triangle, square Shape, Flat, curved, straight, round, Solid, Corner, Face, side Make, build, draw</p>
Spring				
	Numerical Pattern / Number	<p>Recite numbers to 20 Backward from 10 and begin to recite backwards from 15 Break counting chain (not always starting from 1 forwards or 10 backwards)</p>	<p style="text-align: center;"><u>Alive 5</u></p> <p>Introduce zero Find 0 to 5 Subitise 0 to 5 Represent 0 to 5 1 more</p>	

Talk about position up to 5 and begin to talk about position up to 10
Count objects, actions and sounds
Up to 10, in context of □ daily routine □ sharing □ turn taking
Count objects in an irregular arrangement
Begin to estimate number of objects up to 10 then check by counting
Subitise 5 objects (quick recall without counting)
Link the number symbol (numeral) with its cardinal number value to 10
Compare quantities up to 10
Understand 'one more/less than' to 10
Use sentence ... six is one more than five
Begin to explore the composition of numbers to 10
Recall number bonds to 5
Find the total number of items (up to 10) in two groups by counting all of them together, using a range of manipulatives ... altogether, more/now
Find the total number of items (up to 10) in a group by take

1 less
Composition
Conceptual subitising to 5

Growing 6, 7, 8

Find 6, 7, 8
Represent 6, 7, 8
1 more
1 less
Composition of 6, 7, 8
Make pairs – odd and even
Double to 8 (find a double)
Double to 8 (make a double)
Combine 2 groups
Conceptual subitising

Building 9 and 10

Find 9 and 10
Compare numbers to 10
Represent 9 and 10
Conceptual subitising to 10
1 more
1 less
Composition to 10
Bonds to 10 (2 parts)
Make arrangements of 10
Bonds to 10 (3 parts)
Doubles to 10 (find a double)
Doubles to 10 (make a double)
Explore odd and even

		<p>away/subtraction, using a range of manipulatives ... left</p> <p>Begin to share, double and half up to 10 objects</p>		
	<p>Shape, space and measure</p>	<p>Select, rotate and manipulate shapes in order to develop spatial reasoning skills</p> <p>Begin to compose and decompose shapes within practical activities</p> <p>Continue, copy and create repeating patterns</p> <p>Compare length, height, weight and capacity</p> <p>Order 2-3 items by capacity and height</p> <p>Begin to order and sequence familiar events</p>	<p><u>Mass and Capacity</u></p> <p>Compare mass</p> <p>Find a balance</p> <p>Explore capacity</p> <p>Compare capacity</p> <p><u>Length, height and time</u></p> <p>Explore length</p> <p>Compare length</p> <p>Explore height</p> <p>Compare height</p> <p>Talk about time</p> <p>Order and sequence time</p> <p><u>Explore 3-D shapes</u></p> <p>Recognise and name 3-D shapes</p> <p>Find 2-D shapes within 3-D shapes</p> <p>Use 3-D shapes for tasks</p> <p>3-D shapes in the environment</p> <p>Identify more complex patterns</p> <p>Copy and continue patterns</p> <p>Patterns in the environment</p>	<p>Full, half, empty, Holds, Container, weigh, weighs, balance, Heavy, heavier, heaviest, light, lighter, lightest, Scales, Time, Days of the week: Monday, Tuesday, etc. Seasons: Spring, Summer, Autumn, Winter, Days, week, month, year, weekend, Birthday, holiday</p> <p>Morning, afternoon, evening, night, Bedtime, Over, under, underneath, above, below, top, bottom, side, On, in, outside, inside, In front, behind, Front, back, Before, after, Beside, next to, Middle, Up, down, forwards, backwards. Sideways, Close, far</p> <p>Through, Towards, away, from, Side, roll, turn, Sort, Cube, cuboid, pyramid, sphere, cone, cylinder, circle, triangle, square</p> <p>Shape, Flat, curved, straight, round, Solid, Corner, Face, side</p> <p>Make, build, draw, Whole, Equal, One half, Listen, join in, Say, think, imagine, remember, Start from, Look at, point to, Put</p> <p>What comes next? Find, use, make, Build, Tell me, describe, pick out, talk about, explain, show me, Read, write, Tick, draw a line, ring, Cost Count, work out, Number line, number track, number square, number cards, dinnertime, playtime</p> <p>Today, yesterday, Tomorrow, Before, after, next, last, Quickest, fastest, Slowest, Clock, Once, First, second, third</p>

				<p>Estimate, Too many, too few, Length, height, Longer, longest, shorter, shortest, taller, tallest, higher, highest, Money, coin, penny, pence, pound, price, cost, buy, sell, spend, spent, pay, change, How much? How many?, Total, Over, under, underneath, above, below, top, bottom, side, On, in, outside, Inside, In front, behind, Front, back, Before, after, Beside, next to Middle, Up, down, forwards, backwards. Sideways, Close, far Through, Towards, away, from, Side, roll, turn, Sort, Cube, cuboid, pyramid, sphere, cone, cylinder, circle, triangle, square Shape, Flat, curved, straight, round, Solid, Corner, Face, side Make, build, draw</p>
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Summer

	Numerical Pattern / Number	<p>Have a deep understanding of number to 10, including the composition of each number. Consolidate subitising up to 5. Automatically recall (without reference to rhymes, counting or other aids) number bonds up to 5 (including subtraction facts) and some number bonds to 10, including double facts. Verbally count beyond 20, recognising the pattern of the counting system. Compare quantities up to 10 in different contexts, recognising when one quantity is greater than,</p>	<p align="center"><u>To 20 and beyond</u></p> <p>Build numbers beyond 10 (10-13) Continue patterns beyond 10 (10-13) Build numbers beyond 10 (14-20) Continue patterns beyond 10 (14-20) Verbal counting beyond 20 Verbal counting patterns</p> <p align="center"><u>How many now?</u></p> <p>Add more How many did I add? Take away</p>	

		<p>less than or the same as the other quantity. Explore and represent patterns within numbers up to 10, including evens and odds, double facts and how quantities can be distributed equally.</p>	<p>How many did I take away?</p> <p><u>Sharing and Grouping</u></p> <p>Explore sharing Sharing Explore grouping Grouping Even and odd sharing Play with and build doubles</p> <p><u>Make Connections</u></p> <p>Deepen Understanding Patterns and relationships</p>	
	<p>Shape, space and measure</p>	<p>Select, rotate and manipulate shapes in order to develop spatial reasoning skills Compose and decompose shapes within practical activities Continue, copy and create more complex repeating patterns Compare length, height, weight and capacity</p>	<p><u>Manipulate, compose and decompose</u></p> <p>Select shapes for a purpose Rotate shapes Manipulate shapes Explain shape arrangements Compose shapes Decompose shapes Copy 2-D shape pictures Find 2-D shapes within 3-D shapes</p> <p><u>Visualise, build and map</u></p> <p>Identify units of repeating patterns</p>	<p>Full, half, empty, Holds, Container, weigh, weighs, balance, Heavy, heavier, heaviest, light, lighter, lightest, Scales, Time, Days of the week: Monday, Tuesday, etc. Seasons: Spring, Summer, Autumn, Winter, Days, week, month, year, weekend, Birthday, holiday Morning, afternoon, evening, night, Bedtime, Over, under, underneath, above, below, top, bottom, side, On, in, outside, inside, In front, behind, Front, back, Before, after, Beside, next to, Middle, Up, down, forwards, backwards. Sideways, Close, far Through, Towards, away, from, Side, roll, turn, Sort, Cube, cuboid, pyramid, sphere, cone, cylinder, circle, triangle, square Shape, Flat, curved, straight, round, Solid, Corner, Face, side</p>

			<p> Create own pattern rules Explore own pattern rules Replicate and build scenes and constructions Visualise from different positions Describe positions Give instructions to build Explore mapping Represent maps with models Create own maps from familiar places Create own maps and plans from story situations </p>	<p> Make, build, draw, Whole, Equal, One half, Listen, join in, Say, think, imagine, remember, Start from, Look at, point to, Put What comes next? Find, use, make, Build, Tell me, describe, pick out, talk about, explain, show me, Read, write, Tick, draw a line, ring, Cost Count, work out, Number line, number track, number square, number cards, dinnertime, playtime Today, yesterday, Tomorrow, Before, after, next, last, Quickest, fastest, Slowest, Clock, Once, First, second, third Estimate, Too many, too few, Length, height, Longer, longest, shorter, shortest, taller, tallest, higher, highest, Money, coin, penny, pence, pound, price, cost, buy, sell, spend, spent, pay, change, How much? How many?, Total, Over, under, underneath, above, below, top, bottom, side, On, in, outside, Inside, In front, behind, Front, back, Before, after, Beside, next to Middle, Up, down, forwards, backwards. Sideways, Close, far Through, Towards, away, from, Side, roll, turn, Sort, Cube, cuboid, pyramid, sphere, cone, cylinder, circle, triangle, square Shape, Flat, curved, straight, round, Solid, Corner, Face, side Make, build, draw </p>
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