Bowling Park Primary School

Learning Together, Achieving Together

Maths – Long term plans

Nursery

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn Starters: Number songs	Colours • Red • Blue • Yellow	Colours • Green • Purple • Mix of colours	Match • Buttons and colours • Matching towers • Matching shoes	Match • Match number shapes • Match shapes • Pattern handprints – big and small	Sort • Colour • Size • Shape	Sort • What do you notice? • Guess the rule • Guess the rule	Number 1 • Subitising • Counting • Numeral	**Number 2** Subitising- dice pattern Subitising- random pattern Subitising – different sizes	**Number 2** • Counting • Numeral • Numeral	**Pattern** • Extend AB Colour patterns • Extend AB Outdoor Patterns • AB Movement Patterns	• Fix my Pattern • Extend ABC Colour patterns • Extend ABC Outdoor Patterns	Consolidation Activities - Winter activity week
Spring Starters: Number songs	Number 3 Subitising Subitising Subitising	Number 3 3 Little pigs 1:1 counting Numerals/Triangles	Number 4 1:1 counting Numerals Squares/rectangles	Number 4 Composition of 4 Composition of 4 Composition of 4	Number 5 1:1 counting Numerals Pentagon	Number 5 Composition of 5 Composition of 5 Composition of 5	Consolidate 1 - 5	Number 6 Introduce 10 frame	Height & Length • Tall and short • Long and short • Tall/long and short	Mass Relate to books 3 little pigs goldilocks	Capacity	Consolidation
Summer Starters – subitising and revision	More than/fewer than	One more	One less	Shape – 2D Revisit pattern from Autumn	Shape – 3D Revisit pattern from Autumn	Consolidation: More than/fewer one more and one less	Number composition 1 – 5 Revision	Night and Day Order events in their day at nursery Order events in their day at nursery What happens day/night	Positional Language	Positional Language	Consolidation / Activity weeks SUMMER	Consolidation / Activity weeks

Reception

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Settling In Week	Match, sort and compare Match objects Match pictures and objects Identify a set Sort objects to a type Explore sorting technique	It's me 1, 2, 3 •Find 1, 2 and 3 •Subitise 1, 2 and 3 •Represent 1, 2 and 3 •1 more •1 less •Composition of 1, 2 and 3		1, 2, 3, 4, 5 Find 4 and 5 Subitise 4 and 5 Represent 4 and 5 1 more 1 less Composition of 4 and 5 Composition of 1 - 5		Alive in 5 Introduce zero Find 0 to 5 Subitise 0 to 5 Represent 0 to 5 1 more 1 less Composition Conceptual subitising to 5		Growing 6, 7, 8 Find 6, 7 and 8 Represent 6, 7 and 8 1 more 1 less Composition of 6, 7 and 8			Continued 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.
Spring	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 even and odd			Talk about measure and patterns •Compare size •Compare mass •Compare capacity •Explore simple patterns •Copy and continue simple patterns •Create simple patterns	Circles and triangles Identify and name circles and triangles Compare circles and triangles Shapes in the environment Describe position	Shapes with 4 sides Identify and name shapes with 4 sides Combine shapes with 4 sides Shapes in the environment My day and night	Mass and capacity Compare mass Find a balance Explore capacity Compare capacity	Explore 3-D shapes •Recognise and name 3-D shapes •Find 2-D shapes within 3-D shapes •Use 3-D shapes for tasks •3-D shapes in the environment •Identify more complex patterns •Copy and continue patterns •Patterns in the environment		Length, height and time •Explore length •Compare length •Explore height •Compare height •Talk about time •Order and sequence time	
Summer	To 20 and beyond 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	How many now? •Add more •How many did I add •Take away •How many did I take away?	Manipulate, compose and decompose •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		Sharing and grouping Explore sharing Sharing Explore grouping Grouping Even and odd sharing Play with and build doubles		Visualise build and map •Identify units of repeating patterns •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		Make connections. •Deepen understanding •Patterns and relationships	

Year One													
Autumn	●Sequence event in chronological order using language (e.g. before, next, after, today, yesterday, tomorrow, morning, afternoon and evening) ●Recognise and use language related to dates including days of the week, months and years ●Tell the time to the hour (daily discussion)												
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Place Value (to 10)			**Measure: Length**	**Place Value (to 10)**		**Geometry : Shape**	**Measure: money**	**Addition and subtraction (within 10)**					**Consolidation**
Spring	●Sequence event in chronological order using language (e.g. before, next, after, today, yesterday, tomorrow, morning, afternoon and evening) ●Recognise and use language related to dates including days of the week, months and years ●Tell the time to the hour and half past the hour (first o'clock and then half past) ●Recognise and name common 2D and 3D shapes ●Describe position, direction and movement including whole, half, quarter and three quarter turns ●Shape, length, money (enquiry)												
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Measure: height	**Place Value (to 20)**			**Addition and subtraction (within 20)**			**Measure: mass**	**Place value (to 50)**			**Fractions**	**Measure: time**	**Consolidation**
Summer	●sequence event in chronological order using language (e.g. before, next, after, today, yesterday, tomorrow, morning, afternoon and evening) ●Recognise and use language related to dates including days of the week, months and years ●Tell the time to the hour and half past the hour (first o'clock and then half past) ●Recognise and name common 2D and 3D shapes ●Describe position, direction and movement including whole, half, quarter and three quarter turns ●Shape, length, money, mass, height (enquiry)												
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Measure: capacity	**Multiplication and division**			**Addition and subtraction (within 20)**			**Geometry: Shape**	**Fractions**		**Place value (to 100)**		**Consolidation**	

Year Two

Autumn

Statistics (through STEAM)
Position and direction (enquiry)
Time (o'clock and half past)
Non directed: know the number of minutes in an hour and the number of hours in a day

1	2	3	4	5	6	7	8	9	10	11	12	13	14
Place Value (to 100)				**Geometry: 2D shape**		**Addition and subtraction**					**Money (linked with addition and subtraction)**		

Spring

1	2	3	4	5	6	7	8	9	10	11	12	13	14

Statistics (through STEAM)
Position and direction (enquiry)
Time (o'clock and half past)
Money
Shape
Non directed: know the number of minutes in an hour and the number of hours in a day

Multiplication and division			**Fractions**			**Fractions**			**Time**		**Measure**		**Shape**

Summer

1	2	3	4	5	6	7	8	9	10	11	12	13	14

Statistics (through STEAM)
Position and direction (enquiry)
Time - tell and wite the time to the nearest 5 minutes
Money (enquiry)
Shape (enquiry)
Non directed: know the number of minutes in an hour and the number of hours in a day

SATs consolidation						**Place Value (to 100)**			**Four operations**		**Consolidation**		

Year Three													
Autumn	EBM: Autumn 1: 2, 5 and 10 x table and NB to 20 Autumn 2: 3 x tables and NB to 100 STEAM: statistics Non directed:use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight and know the number of seconds in a minute and the number of days in each month, year and leap year												
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	11	12	13	14
Place Value				**Addition and Subtraction**				**Money**	**Multiplication and division (2,5,10,3)**				
Spring	EBM: Spring 1: 4 x table, doubling multiples from 10 to 100 Spring 2: 8 x table, halving from 10 to 100 STEAM: statistics Non directed:use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight and know the number of seconds in a minute and the number of days in each month, year and leap year												
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Measure: length and perimeter		Multiplication and division (2,4,8)					Addition and subtraction	Geometry: properties of shape		Fractions			
Summer	EBM: Summer 1: consolidate 2, 3, 4, 5, 8 and 10 x table and multiplying numbers by 10 Summer 2:consolidate 2, 3, 4, 5, 8 and 10 x table and multiplying numbers by 10, recapping previously taught mental skills STEAM: statistics Non directed:use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight and know the number of seconds in a minute and the number of days in each month, year and leap year												
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**
Time			**Measure (including place value, addition and subtraction)**				**Multiplication and division recap (link with other curriculum areas)**			**Fractions**			**Consolidation**

Year Four														
Autumn	EBM: Autumn 1: 2, 3, 4, 8, 10 x table, introduce 6 times table and add and subtract 1000 mentally Autumn 2: 9 x table and rounding Statistics through STEAM Indirect: seconds, minutes, hours, days, weeks													
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	10	11	12	13	14
	Place Value				**Addition and subtraction**			**Measure: area**	**Multiplication and division**					
Spring	EBM Spring 1: 12 x table, multiply by 10 and 100 Spring 2: 7 x table and number bonds Statistics through STEAM Indirect: seconds, minutes, hours, days, weeks, money													
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	13	14
	Measure: Length and perimeter		**Fractions**					**Fractions**	**Time**		**Shape**			**Place Value**
Summer	Summer 1: Introduce position and direction through topic EBM: Summer 1 : consolidate all time tables Summer 2: consolidate all time tables (time tables check window) Statistics through STEAM Indirect: seconds, minutes, hours, days, weeks, money													
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	13	14
	Decimals					Money		**Money**	**Position and direction**		**Four operations including measure**			**Consolidation**

Year Five														
Autumn	EBM: Autumn 1 - consolidation to 12 x 12 Autumn 2 - arithmetic skills STEAM: statistics Daily practice: roman numerals (as the date)													
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**
	Place value				**Addition and subtraction**			**Multiplication and division**			**Measure: conversion**	**Fractions :**		
Spring	EBM: Spring - arithmetic skills STEAM: statistics, measure (once taught) Daily practice: roman numerals (as the date)													
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**
	Perimeter and area		**Multiplication and division**					**Fractions**				**Shape**		
Summer	EBM: Summer - arithmetic skills STEAM: statistics, measure (once taught) Daily practice: roman numerals (as the date)													
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**
	Fractions, decimals and percentages			**Shape: position and direction**		**Measure: volume**		**Decimals**			**Measure: conversion**	**Place value consolidation**	**4 operations**	

Year Six														
Autumn	EBM: Autumn 1 and 2: arithmetic (all skills, addressing gaps etc, led by children) STEAM - statistics													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Place value				Four operations					Fractions				
Spring	EBM: Autumn 1 and 2: arithmetic (all skills, addressing gaps etc, led by children) STEAM - statistics													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Fractions, decimals and percentages							Ratio and proportion Algebra		Measure		Geometry		Consolidation
Summer	EBM: Autumn 1 and 2: arithmetic (all skills, addressing gaps etc, led by children)													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	SATS consolidation							Consolidation						