Primary National Curriculum Alignment for Ireland

Senior Infants
National Curriculum for Ireland

Expectation	Topic	Activity
Number		
Counting SIN1.1 Count the number of objects in a set, 0-20 **Comparing and ordering** SIN2.1 Compare equivalent and non-equivalent sets 0-10 by matching SIN2.2 Order sets of objects by number, 0-10 SIN2.3 Use the language of ordinal number: first, second, third, last **Numeration** SIN5.1 Develop an understanding of the conservation of number, 0-10 SIN5.2 Read, write and order numerals, 0-10 SIN5.3 Identify the empty set and the numeral zero SIN5.4 Estimate the number of objects in a set, 2-10 SIN5.5 Solve simple oral and pictorial problems, 0-10	**N - Counting**	Count to 5 How Many Dots? Dot Display How Many? Concept of Zero Matching Numbers to 10 Make Numbers Count Counting Up to 20
	N - Comparing and Ordering	More, Less or the Same to 10 Order Numbers to 10 Before, After and Between to 20
Combining SIN3.1 Explore the components of number, 1-10 SIN3.2 Combine sets of objects, totals to 10 **Partitioning** SIN4.1 Partition sets of objects, 0-10 SIN4.2 Use the symbols + and = to construct word sentences involving addition	**N - Add and Subtract**	Model Addition Adding to Make 5 and 10 Adding to 5 Adding to Ten Balance Numbers to 10 Adding to 10 Word Problems Model Subtraction Subtracting from 5 Subtracting from Ten
Algebra		
Extending patterns SIA1.1 Identify, copy and extend patterns in colour, shape, size and number (3-4 elements) SIA1.2 Discover different arrays of the same number SIA1.3 Recognise patterns and predict subsequent numbers	**N - Patterns**	Complete the Pattern Colour Patterns Missing It!
Shape and Space		
Spatial awareness SIS1.1 Explore, discuss, develop and use the vocabulary of spatial relationships **3-D Shapes** SIS2.1 Sort, describe and name 3-D shapes: cube, cuboid, sphere and cylinder SIS2.2 Combine 3-D shapes to make other shapes SIS2.3 Solve tasks and problems involving shape **2-D Shapes** SIS3.1 Sort, describe and name 2-D shapes: square, circle, triangle, rectangle SIS3.2 Combine and divide 2-D shapes to make larger or smaller shapes SIS3.3 Solve problems involving shape and space SIS3.4 Give simple moving and turning directions	**S - Shape and Space**	Where is it? Left or Right? Following Directions Collect the Shapes Collect Simple Shapes Match the Object Match the Solid 1

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Expectation	Topic	Activity
Measures		
Length SIM1.1 Develop an understanding of the concept of length through exploration, discussion, and use of appropriate vocabulary SIM1.2 Compare and order objects according to length or height SIM1.3 Estimate and measure length in non-standard units SIM1.4 Select and use appropriate non-standard units to measure length, width or height. Discuss reasons for choice	**M - Length**	Compare Length Everyday Length Measuring Length with Blocks
Weight SIM2.1 Develop an understanding of the concept of weight through exploration, handling of objects and use of appropriate vocabulary SIM2.2 Compare and order objects according to weight SIM2.3 Estimate and weigh in non-standard units SIM2.4 Select and use appropriate non-standard units to weigh objects **Capacity** SIM3.1 Develop an understanding of the concept of capacity through exploration and the use of appropriate vocabulary SIM3.2 Compare and order containers according to capacity SIM3.3 Estimate and measure capacity in non-standard units SIM3.4 Select and use appropriate non-standard units to measure capacity	**M - Weight and Capacity**	Which measuring tool? Everyday Mass Balancing Act How Full? Filling Fast!
Time SIM4.1 Develop an understanding of the concept of time through the use of appropriate vocabulary SIM4.2 Sequence daily and weekly events or stages in a story SIM4.3 Read time in one-hour intervals **Money - euros** SIM5.1 Recognise coins up to 20 cents and use coins up to 10 cents SIM5.2 Solve practical tasks and problems using money	**M - Time and Money**	Days of the Week Hour Times Everyday Money
Data		
Recognising and interpreting data SID1.1 Sort and classify sets of objects by one and two criteria SID1.2 Represent and interpret data in two rows or columns using real objects, models and pictures	**D - Data**	Hot or Cold? Same and Different Sort It Picture Graphs: More or Fewer Who has the Goods?

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First Class
National Curriculum for Ireland

Expectation	Topic	Activity
Number		
Counting and numeration 1N1.1 Count the number of objects in a set 1N1.2 Read, write and order numerals, 0-99 1N1.3 Estimate the number of objects in a set 0-20	**N- Counting**	Matching Numbers to 20
		Reading Numbers to 30
		Counting Up to 20
		Counting Back Within 20
		Counting Forwards
		Counting Backwards
		Going Up
		Going Down
		Number Lines
Comparing and ordering 1N2.1 Compare equivalent and non-equivalent set 0-20 1N2.2 Order sets of objects by number 1N2.3 Use the language of ordinal number, first to tenth	**N - Comparing and Ordering**	More, Less or the Same to 20
		Before, After and Between to 20
		Compare Numbers to 20
		Arranging Numbers
		Before, After & Between to 100
		Compare Numbers to 100
		Greater or Less to 100
		Number Line Order
Place value 1N3.1 Explore, identify and record place value 0-99	**N - Place Value**	Making Teen Numbers
		Place Value 1
		Making Numbers Count
		Making Big Numbers Count
		Repartition Two-digit Numbers
Operations 1N4.1 Develop an understanding of addition by combining or partitioning sets, use concrete materials 0-20 1N4.2 Explore, develop and apply the commutative, associative and zero properties of addition 1N4.3 Develop and/or recall mental strategies for addition facts within 20 1N4.4 Construct number sentences and number stories; solve problems involving addition within 20 1N4.5 Add numbers without and with renaming within 99 1N4.6 Explore and discuss repeated addition and group counting 1N4.7 Develop an understanding of subtraction as deducting, as complementing and as difference 0-20 1N4.8 Develop and/or recall mental strategies for subtraction 0-20 1N4.9 Construct number sentences and number stories; solve problems involving subtraction 0-20 1N4.10 Estimate differences within 99 1N4.11 Subtract numbers without renaming within 99 1N4.12 Use the symbols +, -, = 1N4.13 Solve one step problems involving addition or subtraction	**N - Addition**	Adding to Make 5 and 10
		Addition Facts
		Balance Numbers to 10
		Balance Numbers to 20
		Adding In Any Order
		Commutative Property of Addition
		Balance Additions to 20
		Add Three Numbers Using Bonds to 10
		1 more, 2 less
		1 more, 10 less
		10 more, 10 less
	N - Subtraction	Subtracting from Ten
		Subtracting from 20
		Subtraction Facts to 18
		Simple Subtraction
		Subtract Tens
		Fact Famillies: Add and Subtract
		Add and Subtract Problems
		All About Twenty
	N - Grouping and Sharing	Groups of Two
		Groups of Ten
		Groups of Five
		Fill the Jars

First Class
National Curriculum for Ireland

Expectation	Topic	Activity
Number		
Fractions 1N5.1 Establish and identify half of sets to 20	**N - Grouping and Sharing**	Is it half? Dividing Twos Doubles and Halves to 10 Doubles and Halves to 20
Algebra		
Extending and using patterns 1A1.1 Recognise pattern, including odd and even numbers 1A1.2 Explore and use patterns in addition facts 1A1.3 Understand the use of a frame to show the presence of an unknown number	**A - Patterns**	Count by Twos Count by Tens Count by Fives Count by 2s, 5s and 10s Counting on a 100 Grid Odd or Even? Odd or Even Numbers 1 Missing It!
Shape and Space		
Spatial awareness 1S1.1 Explore, discuss, develop and use the vocabulary of spatial relations 1S1.2 Give and follow simple directions within classroom and school settings **2-D shapes** 1S2.1 Sort, describe, compare and name 2-D shapes: square, rectangle, triangle, circle, semicircle 1S2.2 Construct and draw 2-D shapes 1S2.3 Combine and partition 2-D shapes 1S2.4 Identify halves of 2-D shapes 1S2.5 Identify and discuss the use of 2-D shapes in the environment	**S - 2D Shape and Space**	Where is it? Following Directions Left or Right? Collect the Shapes 1 Count Sides and Corners
3-D Shapes 1S3.1 Describe, compare and name 3-D shapes, including cube, cuboid, cylinder and sphere 1S3.2 Discuss the use of 3-D shapes in the environment 1S3.3 Solve and complete practical tasks and problems involving 2-D and 3-D shapes 1S3.4 Explore the relationship between 2-D and 3-D shapes	**S - 3D Shape**	Collect the Objects How many Corners? How many Edges? How many Faces? Match the Solid 1 Match the Solid 2

Expectation	Topic	Activity
Measures		
Length 1M1.1 Estimate, compare, measure and record length using non-standard units 1M1.2 Select and use appropriate non-standard measuring units and instruments 1M1.3 Estimate, measure and record length using standard unit (the metre) 1M1.4 Solve and complete practical tasks and problems involving length **Weight** 1M2.1 Estimate, compare, measure and record weight using non-standard units 1M2.2 Select and use appropriate non-standard measuring units and instruments 1M2.3 Estimate, measure and record weight using standard unit (the kilogram) and solve simple problems **Capacity** 1M3.1 Estimate, compare, measure and record capacity using non-standard units 1M3.2 Select and use appropriate non-standard measuring units and instruments 1M3.3 Estimate, measure and record capacity using standard unit (the litre) and solve simple problems **Time** 1M4.1 Use the vocabulary of time to sequence events 1M4.2 Read and record time using simple devices 1M4.3 Read time in hours and half-hours on 12-hour analogue clock 1M4.4 Read day, date and month using calendar **Money - euro** 1M5.1 Recognise, exchange and use coins up to the value of 50 cents 1M5.2 Calculate how many items may be bought with a given sum	**M - Length**	Compare Length 1
		Comparing Length
		Everyday Length
		Measuring Length with Blocks
		How Long Is That?
	M - Weight and Capacity	Which Measuring Tool?
		Everyday Mass
		How Heavy?
		How Full?
		Filling Fast!
		Which Holds More?
	M - Time and Money	Days of the Week
		Months of the Year
		Months After and Before
		Hour Times
		Tell Time to the Hour
		Tell Time to the Half Hour
		Everyday Money
Data		
Representing and interpreting data 1D1.1 Sort and classify objects by two and three criteria 1D1.2 Represent and interpret data in two, three or four rows or columns using real objects, models and pictures	**D - Data**	Sort It
		Who has the Goods?
		Picture Graphs: More or Fewer
		Read Graphs
		More or Less?

Second Class
National Curriculum for Ireland

Expectation	Topic	Activity
Number		
Counting and numeration 2N1.1 Count the number of objects in a set 2N1.2 Read, write and order numerals 0-199 2N1.3 Estimate the number of objects in a set 0-20 **Comparing and ordering** 2N2.1 Compare equivalent and non-equivalent sets 2N2.2 Use the language of ordinal number **Place value** 2N3.1 Explore, identify and record place value 0-199	**N- Counting and Place Value**	Match Numbers to 20
		Going Up
		Going Down
		Number Lines
		Number Line Order
		Before, After & Between to 100
		Making Numbers Count
		Make Big Numbers Count
		Making Big Numbers Count
		Place Value 1
		Repartition Two-digit Numbers
	N - Comparing and Ordering	More, Less or the Same to 20
		1st to 31st
		Ordinal Numbers
		Greater or Less to 100
		Compare Numbers to 100
Operations 2N4.1 Develop an understanding of addition by combining or partitioning sets 2N4.2 Explore, develop and apply the commutative, associative and zero properties of addition 2N4.3 Develop and recall mental strategies for addition facts within 20 2N4.4 Construct number sentences and number stories; solve problems involving addition within 99 2N4.5 Add numbers without and with renaming within 99 2N4.6 Explore and discuss repeated addition and group counting 2N4.7 Develop an understanding of subtraction as deducting, as complementing and as difference 2N4.8 Develop and recall mental strategies for subtraction 0-20 2N4.9 Construct number sentences involving subtraction of whole numbers; solve problems involving subtraction 2N4.10 Estimate differences within 99 2N4.11 Subtract numbers without and with renaming within 99 2N4.12 Use the symbols +, -, =, <, > 2N4.13 Solve one-step and two-step problems involving adition and subtraction	**N - Addition**	Addictive Addition
		All about Twenty
		Balance Numbers to 20
		10 more, 10 less
		Adding in Any Order
		Balance Additions to 20
		Commutative Property of Addition
		Add 3 Single Digit Numbers
		Add Two 2-Digit Numbers
		Add Three Numbers Using Bonds to 10
		Complements to 10, 20, 50
		Magic Mental Addition
		Bar Model Problems 1
	N - Addition and Subtraction	Related Facts 1
		Fact Families: Add and Subtract
		Columns that Add
		Columns that Subtract
		Subtracting from Ten
		Subtraction Facts to 18
		Simple Subtraction
		Subtract Tens
		Magic Mental Subtraction
		Problems: Add and Subtract
		Add and Subtract Problems
		Missing Numbers

Second Class
National Curriculum for Ireland

Expectation	Topic	Activity
Number		
Fractions 2N5.1 Establish and identify halves and quarters of sets to 20	**N - Fractions**	Make Fair Shares
		Is it half?
		Doubles and Halves to 10
		Doubles and Halves to 20
		Dividing Twos
Algebra		
Extending and using patterns 2A1.1 Recognise patterns and predict subsequent numbers 2A1.2 Explore and use patterns in addition facts 2A1.3 Understand the use of a frame to show the presence of an unknown number	**A - Patterns**	Groups of Ten
		Groups of Two
		Groups of Five
		Count by Twos
		Count by Tens
		Count by Fives
		Count by 2s, 5s and 10s
		Count Forward Patterns
		Count Backward Patterns
		Counting on a 100 Grid

Second Class
National Curriculum for Ireland

Expectation	Topic	Activity
Shape and Space		
Spatial awareness 2S1.1 Explore, discuss, develop and use the vocabulary of spatial relations 2S1.2 Give and follow simple directions within classroom and school settings, including turning directions using half and quarter turns **2-D Shapes** 2S2.1 Sort, describe, compare and name 2-D shapes: square, rectangle, triangle, circle, semicircle, oval 2S2.2 Construct and draw 2-D shapes 2S2.3 Combine and partition 2-D shapes 2S2.4 Identify half and quarter of shapes 2S2.5 Identify and discuss the use of 2-D shapes in the environment **3-D Shapes** 2S3.1 Describe, compare and name 3-D shapes, including cube, cuboid, cylinder, sphere and cone 2S3.2 Discuss the use of 3-D shapes in the environment 2S3.3 Solve and complete practical tasks and problems involving 2-D and 3-D shapes 2S3.4 Explore the relationship between 2-D and 3-D shapes **Symmetry** 2S4.1 Identify line symmetry in shapes and in the environment **Angles** 2S5.1 Explore and recognise angles in the environment	**S - 2-D Shape and Space**	Where is it?
		Following Directions
		Left or Right?
		Collect the Shapes 1
		Count Sides and Corners
		Is it Half?
		Halves and Quarters
		Symmetry
	S - 3-D Shapes	Match the Object
		How many Corners?
		How many Edges?
		How many Faces?
		Relate Shapes and Solids
		Comparing Volume

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Second Class
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Expectation	Topic	Activity
Measures		
Length 2M1.1 Estimate, compare, measure and record length using non-standard units 2M1.2 Select and use appropriate non-standard measuring units/instruments 2M1.3 Estimate, measure and record length using metre and centimetre 2M1.4 Solve and complete practical tasks and problems involving length **Area** 2M2.1 Estimate and measure area using non-standard units	**M - Length and Area**	Comparing Length Measuring Length with Blocks How Long Is That? Biggest Shapes Equal Areas
Weight 2M3.1 Estimate, compare, measure and record weight using non-standard units 2M3.2 Select and use appropriate non-standard measuring units and instruments 2M3.3 Estimate, measure and record weight using kilogram, half kilogram and quarter kilogram and solve simple problems 2M3.4 Explore and discuss instances when objects or substances that weigh 1 kg vary greatly in size **Capacity** 2M4.1 Estimate, compare, measure and record the capacity of a wide variety of containers using non-standard units 2M4.2 Select and use appropriate non-standard measuring units and instruments 2M4.3 Estimate, measure and record capacity using litre, half-litre and quarter-litre bottles and solve simple problems	**M - Weight and Capacity**	Which Measuring Tool? Everyday Mass Ordering Mass How Heavy? How Full? Which Holds More? Using a Litre
Time 2M5.1 Use the vocabulary of time to sequence events 2M5.2 Read and record time using simple devices 2M5.3 Read time in hours, half-hours and quarter-hours on 12-hour analogue clock 2M5.4 Read time in hours and half-hours on digital clock 2M5.5 Read day, date and month using calendar and identify the season	**M - Time**	Days of the Week Weekdays and Weekends Months of the Year Months After and Before Using a Calendar Tell Time to the Half Hour Quarter to and Quarter Past
Money 2M6.1 Recognise, exchange and use coins up to the value of €2 2M6.2 Write the value of a group of coins; record money amounts as cents and later as euro	**M - Money**	Skip Counting with Coins Who's Got The Money? Money

Second Class
National Curriculum for Ireland

Expectation	Topic	Activity
Data		
Representing and interpreting data 2D1.1 Sort and classify objects by two and three criteria 2D1.2 Represent, read and interpret simple tables and charts (pictograms) 2D1.3 Represent, read and interpret simple block graphs	**D - Data**	Sorting Data
		More or Less?
		Picture Graphs: single-unit scale
		Column Graphs
		Add and Subtract Using Graphs

Third Class
National Curriculum for Ireland

Expectation	Topic	Activity
Number		
Place value 3N1.1 Explore and identify place value in whole numbers, 0-999 3N1.2 Read, write and order three-digit numbers 3N1.3 Round whole numbers to the nearest ten or hundred 3N1.4 Explore and identify place value in decimal numbers to one place of decimals	**N - Place Value**	Place Value 1 Place Value 2 Compare Numbers to 100 Which is Bigger? Which is Smaller? Repartition Two-Digit Numbers Model Numbers Partition and Rename 1 Place Value Partitioning Nearest 10? Nearest 100?
Operations - Addition and Subtraction 3N2.1 Add and subtract, without and with renaming, within 999 3N2.2 Know and recall addition and subtraction facts 3N2.3 Solve word problems involving addition and subtraction	**N - Add and Subtract Written (1)**	Columns that Add Columns that Subtract Add Two 2-Digit Numbers Add Three 2-Digit Numbers Subtract Numbers 2-Digit Differences Add 3-Digit Numbers 3-Digit Differences Column Addition Column Subtraction
	N - Add and Subtract Written (2)	Strategies for Column Addition Add Two 2-Digit Numbers: Regroup 2-Digit Differences: Regroup Add Numbers: Regroup a Ten Add 3-Digit Numbers: Regroup Subtract Numbers: Regroup Add Multi-Digit Numbers 1 (UK) Add Three 2-Digit Numbers: Regroup Bar Model Problems 1 I Am Thinking of a Number Problems Add and Subtract
	N - Add and Subtract Mental	Complements to 10, 20, 50 Complements to 50 and 100 Missing Numbers Estimate Sums Estimate Differences Pyramid Puzzles 1 Magic Mental Addition Magic Mental Subtraction Commutative Property of Addition Add 3 Nubmers: Bonds to Multiples Add 3 Numbers: Bonds to 100 Partition Puzzles 1

Expectation	Topic	Activity
Number		
Operations - Multiplication and Division 3N2.4 Develop an understanding of multiplication as repeated addition and vice versa 3N2.5 Explore, understand and apply the zero, commutative and distributive properties of multiplication 3N2.6 Develop and/or recall multiplication facts within 100 3N2.7 Multiply a one-digit or two-digit number by 0-10 3N2.8 Solve and complete practical tasks and problems involving multiplication of whole numbers 3N2.9 Develop an understanding of division as sharing and as repeated subtraction, without and with remainders 3N2.10 Develop and/or recall division facts within 100 3N2.11 Divide a one-digit or two-digit number by a one-digit number without and with remainders 3N2.12 Solve and complete practical tasks and problems involving division of whole numbers	**N - Multiplication Facts**	Groups of Two
		Groups of Five
		Groups of Ten
		Groups of Three
		Groups of Four
		Groups of Eight
		Groups of Six
		Groups of Seven
		Groups of Nine
		Times Tables
	N - Division Facts	Dividing Twos
		Dividing Fives
		Dividing Tens
		Dividing Threes
		Dividing Fours
		Dividing Eights
		Dividing Sixes
		Dividing Nines
		Dividing Sevens
	N - Multiplication and Division	Arrays 1
		Arrays 2
		Multiplication Arrays
		Frog Jump Multiplication
		Multiplication Turnarounds
		Related Facts 2
		Fact Familes: Multiply and Divide
		Fill the Jars
		Divide Into Equal Parts
		Make Fair Shares
		Multiply: 2-Digit by 1-Digit
		Divide: 1-Digit Divisor 1
		Multiplication Problems 1

Third Class
National Curriculum for Ireland

Expectation	Topic	Activity
Number		
Fractions 3N3.1 Identify fractions and equivalent forms of fractions with denominators 2, 4, 8 and 10 3N3.2 Compare and order fractions with appropriate denominators and position on the number line 3N3.3 Calculate a fraction of a set using concrete materials 3N3.4 Develop an understanding of the relationship between fractions and divisions 3N3.5 Calculate a unit fraction of a number and calculate a number, given a unit fraction of the number 3N3.6 Solve and complete practical tasks and problems involving fractions **Decimals** 3N4.1 Identify tenths and express in decimal form 3N4.2 Order decimals on the number line 3N4.3 Solve problems involving decimals	**N - Fractions**	Halve It! Halves and Quarters Doubles and Halves to 20 Doubles and Near Doubles Uneven Partitioned Shapes 1 Divide Into Equal Groups Comparing Fractions 1
	N - Place Value	Decimals on a Number Line Decimal Order
Algebra		
Number patterns and sequences 3A1.1 Explore, recognise and record patterns in number, 0-999 3A1.2 Explore, extend and describe (explain rule for) sequences 3A1.3 Use patterns as an aid in the memorisation of number facts **Number sentences** 3A2.1 Translate an addition or subtraction number sentence with a frame into a word problem (frame not in initial position) 3A2.2 Solve one-step number sentences	**A - Patterns and Algebra**	Counting by Twos Counting by Fives Counting by Tens Count Forward Patterns Count Backward Patterns Pick the Next Number Describing Patterns Skip Counting Table of Values Missing Values Find the Missing Number 1

Third Class
National Curriculum for Ireland

Expectation	Topic	Activity
Shape and Space		
2-D shapes 3S1.1 Identify, describe and classify 2-D shapes: square, rectangle, triangle, hexagon, circle, semicircle, oval and irregular shapes 3S1.2 Explore, describe and compare the properties (sides, angles, parallel and non-parallel lines) of 2-D shapes 3S1.3 Construct and draw 2-D shapes 3S1.4 Combine, tessellate and make patterns with 2-D shapes 3S1.5 Identify the use of 2-D shapes in the environment 3S1.6 Solve and complete practical tasks and problems involving 2-D shapes	**S - 2-D Shapes**	Collect the Shapes 1 Collect the Polygons Count Sides and Corners Sides, Angles and Diagonals
3-D Shapes 3S2.1 Identify, describe and classify 3-D shapes, including cube, cuboid, cylinder, cone, sphere, triangular prism, pyramid 3S2.2 Explore, describe and compare the properties of 3-D shapes 3S2.3 Explore and describe the relationship of 3-D shapes with constituent 2-D shapes 3S2.4 Construct 3-D shapes 3S2.5 Solve and complete practical tasks and problems involving 2-D shapes and 3-D shapes	**S - 3-D Shapes**	How Many Edges? How Many Faces? How Many Corners? Faces, Edges and Vertices 1 Match the Solid 2 Collect the Objects Relate Shapes and Solids
Symmetry 3S3.1 Identify line symmetry in the environment 3S3.2 Identify and draw lines of symmetry in two-dimensional shapes	**S - 2-D Shapes**	Symmetry Lines of Symmetry
Lines and angles 3S4.1 Identify, describe and classify vertical, horizontal and parallel lines 3S4.2 Recognise an angle in terms of a rotation 3S4.3 Classify angles as greater than, less than or equal to a right angle 3S4.4 Solve problems involving lines and angles	**S - Lines and angles**	Equal Angles Comparing Angles What Line Am I? Right Angle Relation

Third Class
National Curriculum for Ireland

Expectation	Topic	Activity
Measures		
Length 3M1.1 Estimate, compare, measure and record lengths of a wide variety of objects using appropriate metric units (m, cm) 3M1.2 Rename units of length in m and cm 3M1.3 Solve and complete practical tasks and problems involving the addition and subtraction of units of length (m, cm) **Area** 3M2.1 Estimate, compare and measure the area of regular and irregular shapes **Weight** 3M3.1 Estimate, compare, measure and record the weight of a wide variety of objects using appropriate metric units (kg, g) 3M3.2 Solve and complete practical tasks and problems involving the addition and subtraction of units of weight (kg, g) **Capacity** 3M4.1 Estimate, compare, measure and record the capacity of a wide variety of objects using appropriate metric units (l, ml) 3M4.2 Solve and complete practical tasks and problems involving the addition and subtraction of units of capacity (l, ml)	**M - Measures**	How Long is That? Measure to the Nearest Half cm Centimetres and Metres Biggest Shape Equal Areas How Heavy? Using a Litre
Time 3M5.1 Consolidate and develop further a sense of time passing 3M5.2 Read time in five-minute intervals on analogue and digital clock (12 hour) 3M5.3 Record time in analogue and digital forms 3M5.4 Read and interpret simple timetables 3M5.5 Rename minutes as hours and hours as minutes 3M5.6 Read dates from calendars and express weeks as days and vice versa 3M5.7 Solve and complete practical tasks and problems involving times and dates **Money - euro** 3M6.1 Rename amounts of euro or cents and record using symbols and decimal point 3M6.2 Solve and complete one-step problems and tasks involving the addition and subtraction of money	**M - Time and Money**	Five Minute Times Quarter to and Quarter Past Time Conversions: Whole Numbers 1 Using a Calendar Money How much Change?

Third Class
National Curriculum for Ireland

Expectation	Topic	Activity
Chance and Data		
Representing and interpreting data 3D1.1 Collect, organise and represent data using pictograms, block graphs and bar charts 3D1.2 Read and interpret tables, pictograms, block graphs and bar charts 3D1.3 Use data sets to solve and complete practical tasks and problems **Chance** 3D2.1 Use vocabulary of uncertainty and chance: possible, impossible, might, certain, not sure 3D2.2 Order events in terms of likelihood of occurrence 3D2.3 Identify and record outcomes of simple random processes	**D - Chance and Data**	Will it Happen? What are the Chances? Probability Scale Possible Outcomes Bar Graphs 1 Reading from a Bar Chart Interpreting Tables Pictographs

Fourth Class
National Curriculum for Ireland

Expectation	Topic	Activity
Number		
Place value 4N1.1 Explore and identify place value in whole numbers, 0-9999 4N1.2 Read, write and order four-digit numbers and solve simple problems 4N1.3 Round whole numbers to the nearest thousand 4N1.4 Explore and identify place value in decimal numbers to two places of decimals	**N - Place value**	Ascending Order Descending Order Place Value to Thousands Partition and Rename 1 Place Value Partitioning Partition and Rename 2 Place Value 3 Nearest 100? Nearest 1000? Rounding Numbers Decimal Place Value
Operations - Addition and Subtraction 4N2.1 Add and subtract, without and with renaming, within 9999 4N2.2 Know and recall addition and subtraction facts 4N2.3 Solve word problems involving addition and subtraction	**N - Addition and Subtraction**	Strategies for Column Addition Add 3-Digit Numbers Add 3-Digit Numbers: Regroup 3-Digit Differences with Zeros Add Three 3-Digit Numbers: Regroup Adding Colossal Columns Subtracting Colossal Columns Bump Add and Subtract Split Add and Subtract I Am Thinking of a Number! Partition Puzzles 2 Problems: Add and Subtract 2
Operations - Multiplication 4N2.4 Develop an understanding of multiplication as repeated addition and vice versa 4N2.5 Explore, understand and apply the zero, commutative, distributive and associative properties of multiplication 4N2.6 Develop and recall multiplication facts within 100 4N2.7 Multiply a two-digit or three-digit number by a one or two-digit number 4N2.8 Use a calculator to check estimates 4N2.9 Solve and complete practical tasks and problems involving multiplication of whole numbers	**N - Multiplication Facts**	Groups of Two Groups of Five Groups of Ten Groups of Three Groups of Four Groups of Eight Groups of Six Groups of Seven Groups of Nine Times Tables
	N - Multiplication Facts	Groups of Two Groups of Five Groups of Ten Groups of Three Groups of Four Groups of Eight Groups of Six Groups of Seven Groups of Nine Times Tables

Expectation	Topic	Activity
Number		
Operations - Division 4N2.10 Develop an understanding of division as sharing and as repeated subtraction, without and with remainders 4N2.11 Develop and/or recall division facts within 100 4N2.12 Divide a three-digit number by a one-digit number without and with remainders 4N2.13 Use a calculator to check estimates 4N2.14 Solve and complete practical tasks and problems involving division of whole numbers	**N - Division Facts**	Dividing Twos
		Dividing Fives
		Dividing Tens
		Dividing Threes
		Dividing Fours
		Dividing Eights
		Dividing Sixes
		Dividing Nines
		Dividing Sevens
	N - Division	Divide Into Equal Parts
		Make Fair Shares
		Divide: 1-Digit Divisor 1
		Divide: 1-Digit Divisor 2
		Remainders by Arrays
		Divide: 1-Digit Divisor, Remainder
		Frog Jump Division
		Bar Model Multiply Divide
		Problems: Times and Divide
Fractions 4N3.1 Identify fractions and equivalent forms of fractions with denominators 2, 3, 4, 5, 6, 8, 9, 10 and 12 4N3.2 Compare and order fractions with appropriate denominators and position on the number line 4N3.3 Calculate a fraction of a set using concrete materials 4N3.4 Calculate a number, given a multiple fraction of the number 4N3.5 Express one number as a fraction of another number 4N3.6 Solve and complete practical tasks and problems involving fractions	**N - Fractions 1**	Shade Fractions
		Thirds and Sixths
		Model Fractions
		Part-Whole Rods 1
		What Fraction Is Shaded?
		Uneven Partitioned Shapes 2
		Identifying Fractions on a Number Line
		Unit Fractions
	N - Fractions 2	Compare Fractions 1a
		Compare Fractions 1b
		Comparing Fracitons 2
		Equivalent Fractions on a Number Line
		Equivalent Fraction Wall 1
		Fractions of a Collection 1
		Fractions of a Collection 2
		Fraction Fruit Sets 1
		Make Fair Shares
		Fraction Length Models 1

Expectation	Topic	Activity
Number		
Decimals 4N4.1 Express tenths and hundredths as fractions and decimals 4N4.2 Identify place value of whole numbers and decimals in two places and write in expanded form 4N4.3 Order decimals on the number line 4N4.4 Add and subtract whole numbers and decimals up to two places 4N4.5 Multiply and divide a decimal number up to two places by a single-digit whole number 4N4.6 Solve problems involving decimals	**N - Decimals**	Decimal Place Value Decimals on a Number Line Decimals to Fractions 1 Decimals from Words to Digits 1 Adding Decimals Subtracting Decimals Add Decimals 1 Subtract Decimals 1 Decimal Complements Decimal by Whole Number
Algebra		
Number patterns and sequences 4A1.1 Explore, recognise and record patterns in number, 0-9999 4A1.2 Explore, extend and describe sequences 4A1.3 Use patterns as an aid in the memorisation of number facts **Number sentences** 4A2.1 Translate an addition, subtraction, multiplication or division number sentence with a frame into a word problem (frame not in initial position) 4A2.2 Translate a one-step word problem into a number sentence 4A2.3 Solve one-step number sentences	**A - Patterns**	Counting by Twos Counting by Fives Counting by Tens Count Forward Patterns Count Backward Patterns Skip Counting Pick the Next Number Table of Values Fit the Conditions 1 Describing Patterns
	A - Algebra	I am Thinking of a Number! Mass Word Problems Problems: Addition and Subtraction Missing Values Find the Missing Number 1

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Expectation	Topic	Activity
Shape and Space		
2-D shapes 4S1.1 Identify, describe and classify 2-D shapes: equilateral, isosceles and scalene triangle, parallelogram, rhombus, pentagon, octagon 4S1.2 Explore, describe and compare the properties (sides, angles, parallel and non-parallel lines) of 2-D shapes 4S1.3 Construct and draw 2-D shapes 4S1.4 Combine, tessellate and make patterns with 2-D shapes 4S1.5 Identify the use of 2-D shapes in the environment 4S1.6 Solve and complete practical tasks and problems involving 2-D shapes **3-D Shapes** 4S2.1 Identify, describe and classify 3-D shapes, including cube, cuboid, cylinder, cone, sphere, triangular prism, pyramid 4S2.2 Establish and appreciate that when prisms are sliced through (in the same direction) each face is equal in shape and size 4S2.3 Explore and describe the relationship of 3-D shapes with constituent 2-D shapes 4S2.4 Construct 3-D shapes 4S2.5 Solve and complete practical tasks and problems involving 2-D and 3-D shapes **Symmetry** 4S3.1 Identify line symmetry in the environment 4S3.2 Identify lines of symmetry as horizontal, vertical or diagonal 4S3.3 Use understanding of line symmetry to complete missing half of a shape, picture or pattern **Lines and angles** 4S4.1 Identify, describe and classify oblique and perpendicular lines 4S4.2 Draw, discuss and describe intersecting lines and their angles 4S4.3 Classify angles as greater than, less than or equal to a right angle 4S4.4 Solve problems involving lines and angles	**S - Shapes**	Shapes
		Triangle Tasters
		Sides, Angles and Diagonals
		Symmetry
		Symmetry or Not?
		Relate Shapes and Solids
		Collect the Objects 2
		Prisms and Pyramids
		Count the Faces
		Count the Edges
		Count the Corners
		Faces, Edges and Vertices 2
	S - Lines and Angles	Equal Angles
		Comparing Angles
		What Line Am I?
		What Pair of Lines Am I?
		Right Angle Relation

Fourth Class
National Curriculum for Ireland

Expectation	Topic	Activity
Measures		
Length 4M1.1 Estimate, compare, measure and record lengths of a wide variety of objects, using appropriate metric units, and selecting suitable instruments of measurement 4M1.2 Rename units of length using decimal or fraction form 4M1.3 Understand, estimate and measure the perimeter of regular 2-D shapes 4M1.4 Solve and complete practical tasks and problems involving the addition, subtraction, multiplication and simple division of units of length (m, cm, km) **Area** 4M2.1 Estimate, compare and measure the area of regular and irregular shapes	**M - Length, Perimeter and Area**	Measure to the Nearest Half cm Measuring Length Centimetres and Millimetres Metres and Kilometres Kilometre Conversions Converting Units of Length Operations with Length Perimeter of Shapes Perimeter: Squares and Rectangles Equal Areas Area of Shapes
Weight 4M3.1 Estimate, compare, measure and record the weight of a wide variety of objects using appropriate metric units (kg, g) and selecting suitable instruments of measurement 4M3.2 Rename units of weight in kg and g 4M3.3 Rename units of weight using decimal or fraction forms 4M3.4 Solve and complete practical tasks and problems involving the addition, subtraction, multiplication and simple division of units of weight (kg and g) **Capacity** 4M4.1 Estimate, compare, measure and record capacity using appropriate metric units (l, ml) and selecting suitable instruments of measurement 4M4.2 Rename units of capacity in l and ml 4M4.3 Rename units of capacity using decimal and fraction form 4M4.4 Solve and complete practical tasks and problems involving the addition, subtraction, multiplication and simple division of units of capacity (l, ml)	**M - Weight and Capacity**	Which Unit of Measurement? Grams and Kilograms Kilogram Conversions Mass Addition Millilitres and Litres Litre Conversions Capacity Addition

Fourth Class
National Curriculum for Ireland

Expectation	Topic	Activity
Measures		
Time 4M5.1 Consolidate and develop further a sense of time passing 4M5.2 Read time in one-minute intervals on analogue and digital clock (12 hour) 4M5.3 Express digital time as analogue time and vice versa 4M5.4 Read and interpret simple timetables 4M5.5 Rename minutes as hours and hours as minutes 4M5.6 Read dates from calendars and express weeks as days and vice versa 4M5.7 Solve and complete practical tasks and problems involving times and dates and the addition and subtraction of hours and minutes **Money** 4M6.1 Rename amounts of money as euro or cents and record using € symbol and decimal point 4M6.2 Solve and complete practical one-step and two-step problems and tasks involving the addition, subtraction, multiplication and simple division of money	**M - Time and Money**	What is the Time? Hours and Minutes Time Conversions: Whole Numbers 2 Time Conversions: Simple Fractions Using a Calendar Elapsed Time How Much Change? Money
Data		
Representing and interpreting data 4D1.1 Collect, organise and represent data using pictograms, block graphs, bar charts and bar-line graphs incorporating the scales 1:2, 1:5, 1:10, and 1:100 4D1.2 Read and interpret bar-line graphs and simple pie charts 4D1.3 Use data sets to solve and complete practical tasks and problems **Chance** 4D2.1 Use vocabulary of uncertainty and chance: chance, likely, unlikely, never, definitely 4D2.2 Order events in terms of likelihood of occurrence 4D2.3 Identify and record outcomes of simple random processes	**D - Chance and Data**	What are the Chances? Probability Scale Possible Outcomes Fair Games Tallies Pictogrpahs Making Pictograms: With Scale Reading from a Bar Chart Bar Graphs 2

Fifth Class
National Curriculum for Ireland

Expectation	Topic	Activity
Number		
Place value 5N1.1 Read write and order whole numbers and decimals 5N1.2 Identify place value in whole numbers and decimals 5N1.3 Round whole numbers and round decimals	**N - Place value**	Numbers from Words to Digits 1 Place Value to Millions Partition and Rename 3 Place Value 3 Decimals on a Number Line Put in Order 1 Decimal Place Value Expanded Notation Rounding Numbers Rounding Decimals Rounding Decimals 1 Rounding Decimals 2
Operations 5N2.1 Estimate sums, differences, products and quotients of whole numbers 5N2.2 Add and subtract whole numbers and decimals (to three decimal places) without and with a calculator 5N2.3 Multiply a decimal (up to three places) by a whole number, without and with a calculator 5N2.4 Divide a three-digit number by a two-digit number, without and with a calculator 5N2.5 Divide a decimal number by a whole number, without and with a calculator	**N - Addition and Subtraction**	Estimate Sums Estimate Differences Add 3-Digit Numbers: Regroup 3-Digit Differences with Zeros Add Multi-Digit Numbers 1 Adding Colossal Columns Subtracting Colossal Columns Adding Decimals Subtracting Decimals Add Decimals 1 Subtract Decimals 1 Decimal Complements
	N - Multiplication and Division	Estimate Products Estimation: Multiply and Divide Multiplying by 10, 100, 1000 Remainders by Arrays Dividing by 10, 100, 1000 Divide: 1-Digit Divisor 2 Divide: 1-Digit Divisor, Remainder Divide: 2-Digit Divisor, Remainder Decimal by Whole Number Multiply Decimals and Powers of 10 Divide Decimal by Whole Number

Fifth Class
National Curriculum for Ireland

Expectation	Topic	Activity
Number		
Fractions 5N3.1 Compare and order fractions and identify equivalent forms of fractions with denominators 2-12 5N3.2 Express improper fractions as mixed numbers and vice versa and position them on the number line 5N3.3 Add and subtract simple fractions and simple mixed numbers 5N3.4 Multiply a fraction by a whole number 5N3.5 Express tenths, hundredths and thousandths in both fractional and decimal form	**N - Fractions 1**	Model Fractions Fraction Wall Labelling 2 Fractions of a Collection Fractions of a Collection 2 Fraction Fruit Sets 2 Counting with Fractions on a Number Line Compare Fractions 1b Compare Fractions 2 Ordering Fractions 1 Shading Equivalent Fractions Equivalent Fraction Wall Equivalent Fracitons on a Number Line
	N - Fractions 2	Mixed and Improper Fractions Fraction Length Models 2 Add Like Fractions Subtract Like Fractions Common Denominator One Take Fraction Add: Comon Denominator Subtract: Common Denominator Fraction By Whole Number Model Fractions to Multiply Fraction of an Amount Decimals to Fractions 1 Fractions to Decimals
Decimals and percentages 5N4.1 Develop an understanding of simple percentages and relate them to fractions and decimals 5N4.2 Compare and order fractions and decimals 5N4.3 Solve problems involving operations with whole numbers, fractions, decimals and simple percentages	**N - Decimals and percentages**	Modelling Percentages Percentages to Decimals Decimal to Percentage Decimal Order Decimals on a Number Line Comparing Decimals Comparing Decimals 1
Number theory 5N5.1 Identify simple prime and composite numbers 5N5.2 Identify square and rectangular numbers 5N5.3 Identify factors and multiples	**N - Factors and Multiples**	Factors Multiples Prime or Composite?
Algebra		
Directed numbers 5A1.1 Identify positive and negative numbers in context Rules and properties 5A2.1 Explore and discuss simple properties and rules about brackets and priority of operation 5A2.2 Identify relationships and record verbal and simple symbolic rules for number patterns	**A - Algebra**	Increasing Patterns Decreasing Patterns Describing Patterns Pick the Next Number Directed Numbers Integers on a Number Line Order of Operations 1 (BIDMAS)
Equations 5A3.1 Translate number sentences with a frame into word problems and vice versa 5A3.2 Solve one-step number sentences and equations	**A - Equations**	Word Problems with Letters I am Thinking of a Number! Problems: Addition and Subtraction Find the Missing Number 1 Missing Values

Fifth Class
National Curriculum for Ireland

Expectation	Topic	Activity
Shape and Space		
2-D shapes 5S1.1 Make informal deductions about 2-D shapes and their properties 5S1.2 Use angle and line properties to classify and describe triangles and quadrilaterals 5S1.3 Identify the properties of the circle 5S1.4 Construct a circle of given radius or diameter 5S1.5 Tessellate combinations of 2-D shapes 5S1.6 Classify 2-D shapes according to their lines of symmetry 5S1.7 Use 2-D shapes and properties to solve problems **3-D Shapes** 5S2.1 Identify and examine 3-D shapes and explore relationships, including tetrahedron (faces, edges and vertices) 5S2.2 Draw the nets of simple 3-D shapes and construct the shapes	**S - Shapes**	Shapes Triangle Tasters Triangles: Acute, Right, Obtuse Identify Parts of Circles 1 What Prism Am I? What Pyramid Am I? Prisms and Pyramids Collect the Objects 2 Nets
Lines and angles 5S3.1 Recognise, classify and describe angles and relate angles to shape and the environment 5S3.2 Recognise angles in terms of a rotation 5S3.3 Estimate, measure and construct angles in degrees 5S3.4 Explore the sum of the angles in a triangle	**S -Lines and angles**	What Type of Angle? Classifying Angles Labelling Angles Measuring Angles Angle Sum of a Triangle
Measures		
Length 5M1.1 Select and use appropriate instruments of measurement 5M1.2 Estimate and measure length using appropriate metric units 5M1.3 Estimate and measure the perimeter of regular and irregular shapes **Area** 5M2.1 Discover that the area of a rectangle is length by breadth 5M2.2 Estimate and measure the area of regular and irregular 2-D shapes 5M2.3 Calculate area using square centimetres and square metres 5M2.4 Compare visually square metres and square centimetres	**M - Length, Perimeter and Area**	Measuring Length Operations with Length Perimeter of Shapes Perimeter Detectives 1 Area of Shapes Area: Squares and Rectangles

Expectation	Topic	Activity
Measures		
Weight 5M3.1 Select and use appropriate instruments of measurement 5M3.2 Estimate and measure weight using appropriate metric units **Capacity** 5M4.1 Select and use appropriate instruments of measurement 5M4.2 Estimate and measure capacity using appropriate metric units	**M - Weight and Capacity**	Which Unit of Measurement? Kilogram Conversions Converting Units of Mass Mass Addition Capacity Addition Converting Volume
Time 5M5.1 Read and interpret timetables and the 24-hour clock (digital and analogue) 5M5.2 Interpret and convert between times in 12-hour and 24-hour format **Money - euro** 5M6.1 Compare 'value for money' using unitary method	**M - Time**	What Is The Time? 24 Hour Time Elapsed Time Using Timetables What Time Will It Be?
Data		
Representing and interpreting data 5D1.1 Collect, organise and represent data using pictograms, single and multiple bar charts and simple pie charts 5D1.2 Read and interpret pictograms, single and multiple bar charts, and pie charts 5D1.3 Compile and use simple data sets 5D1.4 Explore and calculate averages of simple data sets 5D1.5 Use data sets to solve problems **Chance** 5D2.1. Identify and list all possible outcomes of simple random processes 5D2.2 Estimate the likelihood of occurrence of events 5D2.3 Construct and use frequency charts and tables	**D - Chance and Data**	How Many Combinations? Fair Games Bar Graphs 2 Line Graphs: Interpretation Compound Bar Chart Pie Charts Tallies Tally Charts Finding the Average Mean

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Sixth Class
National Curriculum for Ireland

Expectation	Topic	Activity
Number		
Place value 6N1.1 Read write and order whole numbers and decimals 6N1.2 Identify place value in whole numbers and decimals 6N1.3 Round decimals	**N - Place Value**	Numbers from Words to Digits 1
		Numbers From Words to Digits 2
		Partition and Rename 3
		Place Value to Millions
		Place Value to Billions
		Decimal Place Value
		Decimal Order
		Comparing Numbers
		Comparing Decimals 1
		Rounding Decimals
		Integers on a Number Line
Operations 6N2.1 Estimate sums, differences, products and quotients of decimals 6N2.2 Add and subtract whole numbers and decimals (to three decimal places) without and with a calculator 6N2.3 Multiply a decimal by a decimal, without and with a calculator 6N2.4 Divide a four-digit number by a two-digit number, without and with a calculator 6N2.5 Divide a decimal number by a decimal number, without and with a calculator	**N - Operations**	Add Decimals 1
		Adding Decimals
		Decimals Complements
		Subtract Decimals 1
		Subtracting Decimals
		Divide: 1-Digit Divisor 1
		Divide: 1-Digit Divisor, Remainder
		Divide: 2-Digit Divisor, Remainder
		Long Division
		Short Division
		Decimal by Whole Number
		Decimal by Decimal
		Divide Decimal by Whole Number
		Divide Decimal by Decimal
	N - Estimation	Estimate Decimal Differences
		Estimate Decimal Sums
		Estimate Products
		Estimation: Multiply and Divide
Fractions 6N3.1 Compare and order fractions and identify equivalent forms of fractions 6N3.2 Express improper fractions as mixed numbers and vice versa and position them on the number line 6N3.3 Add and subtract simple fractions and simple mixed numbers 6N3.4 Multiply a fraction by a fraction 6N3.5 Express tenths, hundredths and thousandths in both fractional and decimal form 6N3.6 Divide a whole number by a unit fraction 6N3.7 Understand and use simple ratios	**N - Fractions and Ratios**	Counting with Fractions on a Number Line
		Compare Fractions 2
		Equivalent Fractions on a Number Line
		Identifying Fractions Beyond 1
		Ordering Fractions 1
		Ratios
		Ratio Word Problems
	N - Calculating with Fractions	Add Like Fractions
		Subtract Like Fractions
		Add Like Mixed Numbers
		Subtract Like Mixed Numbers
		Add Unlike Fractions
		Add Unlike Mixed Numbers
		Subtract Unlike Fractions
		Subtract Unlike Mixed Numbers
		Mixed Numerals
		No Common Denominator
		Multiply Fraction by Fraction
		Multiply Two Fractions 1
		Divide Fraction Visual Model

Sixth Class
National Curriculum for Ireland

Expectation	Topic	Activity
Number		
Decimals and percentages 6N4.1 Use percentages and relate them to fractions and decimals 6N4.2 Compare and order percentages of numbers 6N4.3 Solve problems relating to profit and loss, discount, VAT, interest, increases, decreases	**N - Decimals and percentages**	Modelling Percentages
		Decimal to Percentage
		Percentages to Decimals
		Percentage to Fraction
		Mixed Decimal, Percentage and Fraction Conversions
		Percentage of a Quanity
		Pencentage Change: Increase and Decrease
		Simple Interest
		Profit and Loss
Number theory 6N5.1 Identify simple prime and composite numbers 6N5.2 Identify and explore square numbers 6N5.3 Explore and identify simple square roots 6N5.4 Identify common factors and multiples 6N5.5 Write whole numbers in exponential form	**N - Number theory**	Factors
		Multiples
		Prime or Composite?
		Highest Common Factor
		Lowest Common Factor
		Square Roots
Algebra		
Number theory 6N5.1 Identify simple prime and composite numbers 6N5.2 Identify and explore square numbers 6N5.3 Explore and identify simple square roots 6N5.4 Identify common factors and multiples 6N5.5 Write whole numbers in exponential form	**N - Number theory**	Directed Numbers
		Integers on a Number Line
		Add Integers
		Integers: Add and Subtract
		Negative or Positive?
	A- Rules and Patterns	Increasing Patterns
		Decreasing Patterns
		Describing Patterns
		Pick the Next Number
		Number Sequences up to 1 Million
		Order of Operations 1 (BIDMAS)
	A - Equations and Variables	Table of Values
		Pattern Rules and Tables
		Find the Pattern Rule
		Missing Numbers
		Missing Numbers: Variables
		Word Problems with Letters
		Find the Missing Number 2

Sixth Class
National Curriculum for Ireland

Expectation	Topic	Activity
Shape and Space		
2-D shapes 6S1.1 Make informal deductions about 2-D shapes and their properties 6S1.2 Use angle and line properties to classify and describe triangles and quadrilaterals 6A1.3 Construct triangles from given sides or angles 6S1.4 Identify the properties of the circle 6S1.5 Construct a circle of given radius or diameter 6S1.6 Tessellate combinations of 2-D shapes 6S1.7 Classify 2-D shapes according to their lines of symmetry 6S1.8 Plot simple co-ordinates and apply where appropriate 6S1.9 Use 2-D shapes and properties to solve problems	**S - 2-D shapes**	Triangle: Acute, Right, Obtuse
		Plane Figure Tems
		Identify Parts of Circles 2
		Labelling Circles
		Coordinate Meeting Place
		Map Coordinates
		Using a Key
		Coordinate Graphs: 1st Quadrant
3-D Shapes 6S2.1 Identify and examine 3-D shapes and explore relationships, including octahedron (faces, edges and vertices) 6S2.2 Draw the nets of simple 3-D shapes and construct the shapes	**S - 3-D Shapes**	Naming 3D Objects
		What Prism am I?
		What Pyramid am I?
		Prisms and Pyramids
		Faces, Edges and Vertices 2
		Nets
Lines and angles 6S3.1 Recognise, classify and describe angles and relate angles to shape 6S3.2 Recognise angles in terms of a rotation 6S3.3 Estimate, measure and construct angles in degrees 6S3.4 Explore the sum of the angles in a quadrilateral	**S - Lines and angles**	Measuring Angles
		What Type of Angle?
		Right Angle Relation
		Angles in a Revolution
		Angle Sum of a Quadrilateral

Sixth Class
National Curriculum for Ireland

Expectation	Topic	Activity
Measures		
Length 6M1.1 Select and use appropriate instruments of measurement 6M1.2 Rename measures of length 6M1.3 Estimate and measure the perimeter of regular and irregular shapes 6M1.4 Use and interpret scales on maps and plans	**M - Length and Perimeter**	Converting Units of Length Centimetres and Millimetres Metres and Kilometres Kilometre Conversions Perimeter Detectives 1 Perimeter: Triangles Perimeter of Shapes Scale Scale Measurement
Area 6M2.1 Recognise that the length of the perimeter of a rectangular shape does not determine the area of the shape 6M2.2 Calculate the area of regular and irregular 2-D shapes 6M2.3 Measure the surface area of specified 3-D shapes 6M2.4 Calculate area using acres and hectares 6M2.5 Identify the relationship between square metres and square centimetres 6M2.6 Find the area of a room from a scale plan	**M - Area**	Area of Shapes Area: Squares and Rectangles Area: Right Angled Triangles Area: Quadrilaterals Converting Units of Area Floor Plans
Weight 6M3.1 Select and use appropriate instruments of measurement 6M3.2 Rename measures of weight Capacity 6M4.1 Select and use appropriate instruments of measurement 6M4.2 Rename measures of capacity 6M4.3 Find the volume of a cuboid experimentally	**M - Capacity and Weight**	Which Unit of Measurement? Grams and Milligrams Converting Units of Mass Mass Addition Capacity Addition Converting Volume How Many Blocks? Volume of Solids and Prisms - 1cm3
Time 6M5.1 Explore international time zones 6M5.2 Explore the relationship between time, distance and average speed **Money - euro** 6M6.1 Explore value for money 6M6.2 Convert other currencies to euro and vice versa	**M - Time and Money**	Time Zones Time Mentals Using Timetables Best Buy Purchase Options

Sixth Class
National Curriculum for Ireland

Expectation	Topic	Activity
Data		
Representing and interpreting data 6D1.1 Collect, organise and represent data using pie charts and trend graphs 6D1.2 Read and interpret trend graphs and pie charts 6D1.3 Compile and use simple data sets 6D1.4 Explore and calculate averages of simple data sets 6D1.5 Use data sets to solve problems **Chance** 6D2.1. Identify and list all possible outcomes of simple random processes 6D2.2 Estimate the likelihood of occurrence of events: order on a scale from 0 to 100%, 0 to 1 6D2.3 Construct and use frequency charts and tables	**D - Chance and Data**	How Many Combinations? Probability Scale Frequency Histogram Tally Charts Compound Bar Chart Line Graphs Interpretation Line Graphs: Interpretation 2 Pie Charts Sector Graph Calculations Finding the Average Mean