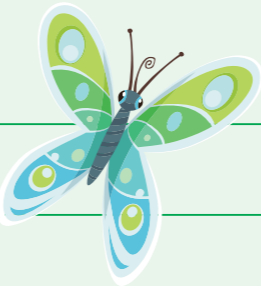




Republic of Ireland's Primary Mathematics Curriculum



SENIOR INFANTS

Strand	Strand Units	Elements	Mathseeds Lesson #			Additional Mathseeds Resources	
			Knowledge and Skills	Assessment	Higher Order Thinking Skills	Fluency	Assessment
			Online Lesson, Printable Resources, & Problem Solving Tasks	End-of-lesson Quiz	Critical Thinking and Problem Solving Interactives	Driving Tests (DT) Mental Minute (MM)	Printable Achievement Standards Assessment
Algebra	Patterns, rules and relationships	explore, extend and create patterns and sequences.	27, 37		6, 8, 15, 23, 27, 37	DT Kindergarten Patterns 1-9	Kindergarten Number Test 6
Data and Chance	Data	explore, interpret and explain data in a variety of ways for a range of purposes.				DT Kindergarten Data 1-10	Kindergarten Data Tests 1, 2
Measures	Measuring	demonstrate an awareness that attributes such as length can be measured and compared.	26			DT Kindergarten Measurement 5, 6, 9, 10	Kindergarten Measurement Tests 1, 2
		demonstrate an awareness that attributes such as weight can be measured and compared.	29			DT Kindergarten Measurement 7, 8, 12	Kindergarten Measurement Test 4
		demonstrate an awareness that attributes such as capacity can be measured and compared.	38		38	DT Kindergarten Measurement 11, 15, 16, 20	Kindergarten Measurement Test 5
		demonstrate an awareness that attributes such as area can be measured and compared.	13			DT Kindergarten Measurement 2, 3	Kindergarten Measurement Test 3
	Time	develop a sense of time and its uses.	39, 42		37	DT Kindergarten Measurement 1, 4, 13, 14, 17-19	Kindergarten Measurement Tests 6, 7
	Money	develop an awareness of money and its uses.					Kindergarten Number Test 5
Number	Uses of number	develop an awareness that numbers have a variety of uses.	1, 2, 3, 5, 7, 10, 11, 12, 14, 16, 17, 18, 19, 20, 21, 22, 25, 28, 31, 33, 50		12, 19	DT Kindergarten Number 1-10, 24, 25	Kindergarten Number Tests 1-3, 6
	Numeration and counting	develop an awareness that the purpose of counting is to quantify.				DT Kindergarten Number 1, 3, 5, 7-9, 14-16, 18, 20, 22, 23	
		use a range of counting strategies for a range of purposes.	10, 14, 16, 18, 20, 21, 22, 25, 28, 31, 50				
	Place value and base ten	develop a sense of ten as the foundation for place value and counting.	41, 43, 45, 46, 48, 50		41, 43, 46	DT Kindergarten Number 11-23	Kindergarten Number Test 4
	Sets and operations	recognise and understand what happens when quantities (sets) are partitioned and combined.	24, 30, 31, 32, 34, 36, 40, 47, 49, 50		30, 31, 34, 36, 40, 43, 46, 47	DT Kindergarten Operations 1-25 MM Addition Sprints MM Subtraction Sprints	Kindergarten Operations Tests 1-4
Shape and Space	Spatial awareness and location	develop a sense of spatial awareness in relation to their bodies and the immediate environment.				DT Kindergarten Geometry 9-11, 13, 14	Kindergarten Geometry Tests 5, 6
		describe the spatial features of objects and their relative position in space.					
	Shape	explore and recognise properties of 3-D shapes.		8, 35, 44		DT Kindergarten Geometry 15-23	Kindergarten Geometry Tests 2, 3
		explore and recognise properties of 2-D shapes.		4, 6, 8, 9, 15, 23	6, 15, 23	DT Kindergarten Geometry 1-8, 12, 19, 20	Kindergarten Geometry Tests 1, 3, 4
	Transformation	explore the effects of shape movements.					



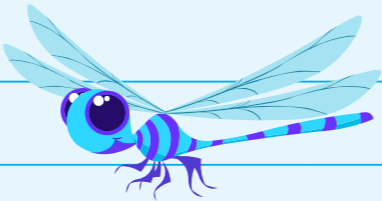


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FIRST CLASS

			Mathseeds Lesson #			Additional Mathseeds Resources	
			Knowledge and Skills	Assessment	Higher Order Thinking Skills	Fluency	Assessment
Strand	Strand Units	Elements	Online Lesson, Printable Resources, & Problem Solving Tasks	End-of-lesson Quiz	Critical Thinking and Problem Solving Interactives	Driving Tests (DT) Mental Minute (MM)	Printable Achievement Standards Assessment
Algebra	Patterns, rules and relationships	identify and express relationships in patterns, including growing or shrinking shape patterns and number sequences.	77, 79, 90		63, 77, 79	DT Year 1 Patterns and Fractions 1, 2, 4, 7-10, 12	Year 1 Number and Algebra: Patterns Tests 1-7
	Expressions and equations	interpret the meaning of symbols or pictures in number sentences.	51, 53, 56, 58, 65, 72, 76, 85, 91, 93, 100		93	DT Year 1 Operations 1-3, 8, 10-12, 16	
Data and Chance	Data	pose questions of interest, record and use data as evidence to answer those questions and communicate the findings.	80, 97		80	DT Year 1 Data 1-4, 9, 10, 12-16	Year 1 Statistics: Data Tests 1-5
Measures	Measuring	compare, approximate and measure length using appropriate instruments and record using appropriate units of measurement.	55, 84			DT Year 1 Measurement 2, 4, 13, 14	Year 1 Measurement: Length and Capacity Tests 1-5
		compare, approximate and measure weight using appropriate instruments and record using appropriate units of measurement.	73				
		compare, approximate and measure capacity using appropriate instruments and record using appropriate units of measurement.	89			DT Year 1 Measurement 11, 17-19	Year 1 Measurement: Length and Capacity Tests 6, 7
		compare, approximate and measure area using appropriate instruments and record using appropriate units of measurement.	59		59		
	Time	understand how time is measured, expressed and represented.	54, 70, 87		87	DT Year 1 Measurement 1, 8-10, 15, 16	Year 1 Measurement: Time Tests 1-5
		explore equivalent expressions of time.					Year 1 Measurement: Time Test 6
	Money	recognise the value of money and use euro and cent in a range of meaningful contexts.	64, 83, 92		83	DT Year 1 Measurement 3, 5-7, 12	Year 1 Number and Algebra: Fractions and Money Tests 4-8
Number	Numeration and counting	demonstrate proficiency in using and applying different counting strategies.	56, 60, 63, 67, 75, 81, 86		56, 63, 67, 75	DT Year 1 Number 1-24	Year 1 Number and Algebra: Whole Numbers Tests 1-9
	Place value and base ten	understand that digits have different values depending on their place or position in a number.	60, 67, 75, 79, 86		60, 75, 81, 88	DT Year 1 Number 2, 5, 9, 10, 12, 17, 19, 24	Year 1 Number and Algebra: Place Value Tests 1-6
	Sets and operations	select, make use of and represent a range of addition and subtraction strategies.	51, 53, 56, 58, 65, 68, 72, 76, 85, 88, 91, 93, 95, 96, 98, 100		51, 53, 65, 68, 72, 76, 85, 91, 93, 95, 96, 98, 100	DT Year 1 Operations 1-20 MM Addition Sprints MM Subtraction Sprints	Year 1 Number and Algebra: Operations Tests 1-6
	Fractions	recognise and name fractions according to their part-whole relationships.	61, 66			DT Year 1 Patterns and Fractions 3, 5, 6, 11, 13, 14	Year 1 Number and Algebra: Fractions and Money Tests 1-3, 7
Shape and Space	Spatial awareness and location	use spatial knowledge for the purposes of orientation and navigation.	57, 78		57, 78	DT Year 1 Geometry 4, 5	Year 1 Geometry: Shape Tests 7, 8
		visualise and model location using symbolic co-ordinates.	78, 94		78, 94	DT Year 1 Geometry 11, 12, 14-16	
	Shape	examine, categorise and model 3-D shapes.	62, 99		62	DT Year 1 Geometry 7, 8, 17-19	Year 1 Geometry: Shape Tests 3-6
		examine, categorise and model 2-D shapes.	52, 69		52, 69	DT Year 1 Geometry 1-3, 6, 9, 10, 13	Year 1 Geometry: Shape Tests 1, 2, 5, 6





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SECOND CLASS

			Mathseeds Lesson #			Additional Mathseeds Resources	
Strand	Strand Units	Elements	Knowledge and Skills	Assessment	Higher Order Thinking Skills	Fluency	Assessment
			Online Lesson, Printable Resources, & Problem Solving Tasks	End-of-lesson Quiz	Critical Thinking and Problem Solving Interactives	Driving Tests (DT) Mental Minute (MM)	Printable Achievement Standards Assessment
Algebra	Patterns, rules and relationships	identify and express relationships in patterns, including growing or shrinking shape patterns and number sequences.	102, 117, 133, 140		101, 117, 133	DT Year 2 Patterns and Fractions 1-4, 6-10, 13 DT Year 2 Geometry 12	Year 2 Number and Algebra: Number Patterns Tests 1-8 Year 2 Geometry: Shape and Movement Test 6
	Expressions and equations	interpret the meaning of symbols or pictures in number sentences.	118, 131			DT Year 2 Operations 2, 5, 11	
Data and Chance	Data	pose questions of interest, record and use data as evidence to answer those questions and communicate the findings.	140, 143		143	DT Year 2 Data and Chance 1, 4, 5, 7-14	Year 2 Statistics: Data Tests 1-6
Measures	Measuring	compare, approximate and measure length using appropriate instruments and record using appropriate units of measurement.	104, 140, 141, 143		104, 141, 143	DT Year 2 Measurement 6, 11, 13, 15, 19, 21-24	Year 2 Measurement: Informal Units Tests 1, 2, 8
		compare, approximate and measure weight using appropriate instruments and record using appropriate units of measurement.	135		135	DT Year 2 Measurement 17, 18	Year 2 Measurement: Informal Units Tests 6-8
		compare, approximate and measure capacity using appropriate instruments and record using appropriate units of measurement.	116, 140			DT Year 2 Measurement 8	Year 2 Measurement: Informal Units Tests 4, 5, 8
		compare, approximate and measure area using appropriate instruments and record using appropriate units of measurement.	112, 140, 149		149	DT Year 2 Measurement 6	Year 2 Measurement: Informal Units Tests 3, 8
	Time	understand how time is measured, expressed and represented.	109, 114, 123, 127		109	DT Year 2 Measurement 1-5, 7, 10, 14, 16, 20	Year 2 Measurement: Time Tests 1-5
	Money	recognise the value of money and use euro and cent in a range of meaningful contexts.	125, 147		125, 131, 147		Year 2 Number and Algebra: Fractions and Money Tests 5-8
Number	Numeration and counting	demonstrate proficiency in using and applying different counting strategies.	101, 106, 108			DT Year 2 Number 1-24	Year 2 Number and Algebra: Numbers to 1000 Tests 1-7
	Place value and base ten	understand that digits have different values depending on their place or position in a number.	101, 105, 106, 122		105, 106, 108		
		use estimation to quickly determine number values and number calculations.	129, 194		194		
	Sets and operations	select, make use of and represent a range of addition and subtraction strategies.	103, 110, 118, 120, 124, 128, 131, 134, 137, 139, 140, 142, 144, 146, 148, 150		110, 113, 188, 120, 124, 134, 137, 139, 142, 144, 146, 148, 150	DT Year 2 Operations 1-5, 7-10, 13-18, 20-28 MM Addition Sprints MM Subtraction Sprints	Year 2 Number and Algebra: Addition and Subtraction Tests 1-8
	Fractions	recognise and name fractions according to their part-whole relationships.	132		132	DT Year 2 Patterns and Fractions 5, 11, 12, 14-17	Year 2 Number and Algebra: Fractions and Money Tests 1-4
		explore the concept of equivalence in terms of simple fractions.					
Shape and Space	Spatial awareness and location	use spatial knowledge for the purposes of orientation and navigation.				DT Year 2 Geometry 2, 11	Year 2 Geometry: Shape and Movement Test 8
		visualise and model location using symbolic co-ordinates.				DT Year 2 Geometry 8, 13	
	Shape	examine, categorise and model 3-D shapes.	121		121, 140	DT Year 2 Geometry 3-7, 10	Year 2 Geometry: Shape and Movement Tests 3-5
		examine, categorise and model 2-D shapes.	119, 140, 145		119, 145		Year 2 Geometry: Shape and Movement Tests 1, 2, 5
	Transformation	understand that shapes and line segments can be reflected, rotated and translated.	102		102	DT Year 2 Geometry 1, 9	Year 2 Geometry: Shape and Movement Tests 6, 7



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THIRD CLASS



			Mathseeds Lesson #			Additional Mathseeds Resources	
Strand	Strand Units	Elements	Knowledge and Skills	Assessment	Higher Order Thinking Skills	Fluency	Assessment
			Online Lesson, Printable Resources, & Problem Solving Tasks	End-of-lesson Quiz	Critical Thinking and Problem Solving Interactives	Driving Tests (DT) Mental Minute (MM)	Printable Achievement Standards Assessment
Algebra	Patterns, rules and relationships	identify rules that describe the structure of a pattern and use these rules to make predictions.	153		153, 195		
		represent the relationships between quantities.	163, 181, 190		163, 181		
Data and Chance	Data	pose questions of interest and collect, display and critically analyse data in a range of ways for a range of purposes and communicate the findings.	174, 187, 198		187		
	Chance	describe and test predictability and (un)certainty in events.	82, 107, 167		82	DT Year 1 Data 5-8, 11 DT Year 1 Data and Chance 2, 3, 6	Year 1 Statistics: Data Test 6 Year 2 Statistics: Data Test 7
Measures	Measuring	compare, estimate and measure length using appropriate instruments and record and communicate appropriately; identify the relationship between equivalent units of measurement, and rename measures using equivalent units.	182, 192, 198		182		
		compare, estimate and measure weight using appropriate instruments and record and communicate appropriately; identify the relationship between equivalent units of measurement, and rename measures using equivalent units.	172		172		
		compare, estimate and measure capacity using appropriate instruments and record and communicate appropriately; identify the relationship between equivalent units of measurement, and rename measures using equivalent units.	154		154		
		compare, estimate and measure area using appropriate instruments and record and communicate appropriately.	157, 200		200		
	Time	compare, approximate and measure time using appropriate units of measurement.	162, 179, 185, 189		179, 185, 189		
		identify the relationship between different units and representations of time.	179, 189				
	Money	transfer knowledge of the base ten system in number to monetary contexts and use for purposes of calculation.	159		159		
Number	Place value and base ten	explore equivalent numerical expressions of numbers using the base ten system.	151, 156, 161, 166		151, 156, 161		
	Sets and operations	understand and apply flexibly the four operations (addition and subtraction); and the relationships between operations.	163, 166, 170, 173, 178, 183, 188, 192, 195		170, 173, 176, 178, 183, 195	MM Addition Sprints MM Subtraction Sprints	
		understand and apply flexibly the four operations (multiplication and division); and the relationships between operations.	71, 74, 111, 113, 115, 130, 136, 139, 155, 158, 165, 168, 171, 176, 181, 186, 188, 190, 193, 196, 199		71, 74, 113, 115, 130, 136, 168, 176, 181, 186, 188, 193, 196, 199	DT Year 2 Operations 6, 10-12, 19 MM Multiplication Sprints MM Division Sprints	Year 2 Number and Algebra: Equal Groups Tests 1-5
	Fractions	compare and express in equivalent terms; and order fractions.	160, 175, 180, 191, 197		175, 180, 191, 197		
		calculate the fraction of quantities and express in multiple ways.	138, 191, 197		191, 197		
Shape and Space	Spatial awareness and location	describe, interpret and record directional instructions and location.	164				
		compare and classify angles, recognising them as a property of a shape and as a description of a turn.	177				
	Shape	investigate and analyse the properties of 3-D shapes and identify classes of shapes based on these properties.	169				
		investigate and analyse the properties of 2-D shapes and identify classes of shapes based on these properties.	184				
		represent shapes with drawings and models, and calculate dimensions of shapes.					
	Transformation	model and explain the effects of transformations on shapes and line segments.	152				