

Mathletics

Ireland Curriculum

Activities (Courses)



Senior Infants - 2nd Class

March, 2026



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Senior Infants

Number

Uses of number

Develop an awareness that numbers have a variety of uses	
Activities	
Counting	Dot Display
	Count to 5
	How Many?
	Concept of Zero
	Ordinal Numbers

Numeration and counting


Develop an awareness that the purpose of counting is to quantify	
Activities	
Counting	Dot Display
	Count to 5
	How Many?
	Concept of Zero
	Ordinal Numbers

Use a range of counting strategies for a range of purposes	
Activities	
Counting	Order Numbers to 10
	Order Numbers to 20
	Counting Up to 20
	Counting Back Within 20
	More, Less or the Same to 10
	More, Less or the Same to 20
	Compare Numbers to 20


Place value and base ten

Develop a sense of ten as the foundation for place value and counting	
Activities	
Place value	Matching Numbers to 10
	Matching Numbers to 20
	Making Teen Numbers
	Make Numbers Count
	Before, After and Between to 20

Sets and operations


Recognise and understand what happens when quantities (sets) are partitioned and combined	
 Activities	
Addition and subtraction	Model Addition
	Adding to 5
	Adding to Make 5 and 10
	Adding to Ten
	Balance Numbers to 10
	Model Subtraction
	Subtracting From 5
	Subtracting from Ten
	Doubles and Halves to 10

Fractions

Develop an awareness of part-whole relationships using a variety of models (area, length and set)	
 Activities	
Fractions	Halves
	Is it Half?


Algebra

Patterns, rules and relationships


Explore, extend and create patterns and sequences	
 Activities	
Patterns	Complete the Pattern
	Colour Patterns
	Missing it!

Measures


Measuring

Demonstrate an awareness that attributes such as length, weight, capacity and area can be measured and compared	
 Activities	
Measurement	Measuring Length with Blocks
	Compare Length
	Everyday Length
	Balancing Act
	Everyday Mass
	Which Holds More?
	Hot or Cold?

Time


Develop a sense of time and its uses	
 Activities	
Time and money	Days of the Week
	Set Time to the Hour

Money


Develop an awareness of money and its uses	
 Activities	
Teacher directed	

Shape and Space


Spatial awareness and location

Develop a sense of spatial awareness in relation to their bodies and the immediate environment	
 Activities	
Shape and space	Where is it?
	Left or Right?

Shape


Explore and recognise properties of 3-D and 2-D shapes	
 Activities	
Shape and space	Collect Simple Shapes
	Match the Solid 1

Transformation

Explore the effects of shape movements	
 Activities	
Shape and space	Symmetry

Data and Chance

Data

Explore, interpret and explain data in a variety of ways for a range of purposes	
 Activities	
Data	Same and Different
	Sort It
	Picture Graphs: More or Less
	Pictograms: Who has the Goods?

1st Class

Number

Numeration and counting

Demonstrate proficiency in using and applying different counting strategies	
Activities	
Counting	Reading Numbers to 30
	Counting Forwards
	Counting Backwards
	Going Up
	Going Down
	Number Line Order
	Number Lines
	1st to 31st
	Counting by Twos
Counting by Fives	
Comparing and ordering	Compare Numbers to 50
	Arranging Numbers
	Before, After & Between to 100
	Compare Numbers to 100
	Greater or Less to 100

Place value and base ten

Understand that digits have different values depending on their place or position in a number	
Activities	
Place value	Making Teen Numbers
	Making Numbers Count
	Making Big Numbers Count
	Place Value 1
	Repartition Two-digit Numbers


Use estimation to quickly determine number values and number calculations	
Activities	
Place value	Nearest 10?


Sets and operations

Select, make use of and represent a range of addition and subtraction strategies	
Activities	
Addition and subtraction	Addition Facts
	All about Twenty
	Balance Numbers to 20
	Adding In Any Order
	Add 3 Numbers Using Bonds to 10
	1 More, 2 Less

	1 More, 10 Less
	10 More, 10 Less
	Adding to 10 Word Problems
	Doubles and Near Doubles
	Subtraction Facts to 18
	Subtracting from 20
	Simple Subtraction
	Subtracting tens
	Fact Families: Add and Subtract
	Add and Subtract Problems
	Problems: Add and Subtract
Grouping and sharing	Groups of Ten
	Groups of Two
	Groups of Five
	Dividing Twos
	Doubles and Halves to 10
	Doubles and Halves to 20
	Share the treasure
Groups	


Fractions

Recognise and name fractions according to their part-whole relationships	
 Activities	
Fractions	Is it Half?


Explore the concept of equivalence in terms of simple fractions	
 Activities	
Fractions	Halves

Algebra

Patterns, rules and relationships

Identify and express relationships in patterns, including growing or shrinking shape patterns and number sequences	
 Activities	
Patterns and equations	Count by Tens
	Count by Twos
	Count by Fives
	Count by 2s, 5s and 10s
	Missing it!
	Simple patterns
	Pattern error

Expressions and equations

Interpret the meaning of symbols or pictures in number sentences	
 Activities	
Patterns and equations	Balance Additions to 20

Measures

Measuring

Compare, approximate and measure length, weight, capacity and area using appropriate instruments and record using appropriate units of measurement	
Activities	
Length and area	Everyday Length
	Measuring Length with Blocks
	Compare Length 1
	Biggest Shape
Weight and capacity	Everyday Mass
	How Heavy?
	Which Holds More?
	Filling Fast!
	How Full?
Which Measuring Tool?	

Time

Understand how time is measured, expressed and represented	
Activities	
Time and money	Set Time to the Hour
	Set Time to the Half Hour

Explore equivalent expressions of time	
Activities	
Time and money	Days of the Week
	Months of the Year
	Months After and Before

Money

Recognise the value of money and use euro and cent in a range of meaningful contexts	
Activities	
Time and money	Everyday Money

Shape and Space

Spatial awareness and location

Use spatial knowledge for the purposes of orientation and navigation	
Activities	
Shape and space: 2D	Left or Right?

Visualise and model location using symbolic co-ordinates	
Activities	
Shape and space: 2D	Following Directions

Shape

Examine, categorise and model 3-D and 2-D shapes	
Activities	
Shape and space: 2D	Collect the Shapes 1
	Count Sides and Corners
Shape and space: 3D	Count the Corners
	Match the object
	Collect the Objects

Transformation

Understand that shapes and line segments can be reflected, rotated and translated	
Activities	
Shape and space: 2D	Symmetry
	Flip, Slide, Turn

Data and Chance

Data

Pose questions of interest, record and use data as evidence to answer those questions and communicate the findings	
Activities	
Data	Pictograms: Who has the Goods?
	Picture Graphs: single-unit scale
	Read Graphs
	Tallies

2nd Class

Number

Numeration and counting

Demonstrate proficiency in using and applying different counting strategies

Activities

Counting, comparing and place value	Number Line Order
	Counting by Twos
	Counting by Fives
	Before, After & Between to 100
	Which is bigger?
	Which is smaller?
	Greater or Less to 100
	Compare Numbers to 100

Place value and base ten

Understand that digits have different values depending on their place or position in a number

Activities

Counting, comparing and place value	Making Numbers Count
	Make Big Numbers Count
	Making Big Numbers Count
	Repartition Two-digit Numbers
	Model numbers
	Place Value 1
	Place Value 2
	Place Value Partitioning

Use estimation to quickly determine number values and number calculations

Activities

Counting, comparing and place value	Nearest 10?
	Nearest 100?

Sets and operations


Select, make use of and represent a range of addition and subtraction strategies


Activities

Addition	All about Twenty
	Additive Addition
	Adding In Any Order
	Add Three 1-Digit Numbers
	Doubles and Near Doubles
	Add 3 Single Digit Numbers
	Adding to 2-digit numbers
	Add 3 Numbers Using Bonds to 10
	Bonds to multiples of 10

	Complements to 10, 20, 50
	Missing Numbers 1
	Columns that Add
	Add Two 2-Digit Numbers
	Magic Mental Addition
Subtraction	Subtracting from 20
	Related Facts 1
	Subtracting tens
	Columns that Subtract
	2-Digit Differences
	Magic Mental Subtraction
Grouping and sharing	Doubles and Halves to 20
	Arrays 1
	Groups of Two
	Groups of Five
	Groups of Ten
	Dividing Twos
	Dividing Fives
	Dividing Tens
	Share the Treasure


Fractions

Recognise and name fractions according to their part-whole relationships	
 Activities	
Fractions	Shade fractions


Explore the concept of equivalence in terms of simple fractions	
 Activities	
Fractions	Halves and Quarters

Algebra

Patterns, rules and relationships


Identify and express relationships in patterns, including growing or shrinking shape patterns and number sequences	
 Activities	
Patterns and equations	Count Forward Patterns
	Count Backward Patterns
	Counting on a 100 grid
	Odd or Even

Expressions and equations


Interpret the meaning of symbols or pictures in number sentences	
 Activities	
Patterns and equations	Balance Additions to 20
	Problems: Add and Subtract
	Add and Subtract Problems


Measures

Measuring


Compare, approximate and measure length, weight, capacity and area using appropriate instruments and record using appropriate units of measurement	
 Activities	
Length and area	How Long is That?
	Ordering Lengths (cm)
	Biggest Shape
	Equal Areas
Weight and capacity	Which Measuring Tool?
	How Heavy?
	How Full?
	Filling Fast!
	Using a Litre
	Which Measuring Tool?

Time

Understand how time is measured, expressed and represented	
 Activities	
Time and money	Set Time to the Half Hour
	Quarter To and Quarter Past


Explore equivalent expressions of time	
 Activities	
Time and money	Tomorrow and Yesterday (without scaffold)
	Weekdays and Weekends
	Months of the Year
	Months After and Before
	Using a Calendar

Money

Recognise the value of money and use euro and cent in a range of meaningful contexts	
 Activities	
Time and money	Skip Counting with Coins
	How much Change?

Shape and Space

Spatial awareness and location

Use spatial knowledge for the purposes of orientation and navigation	
 Activities	
Shape and space: 2D	Left or Right?

Visualise and model location using symbolic co-ordinates

Activities

Shape and space: 2D

Following Directions

Map Coordinates

Shape

Examine, categorise and model 3-D and 2-D shapes

Activities

Shape and space: 2D

Collect the Shapes 1

Count Sides and Corners

Shape and space: 3D

Collect the Objects

Count the Corners

How many Edges?

How Many Faces?

Relate Shapes and Solids

Transformation

Understand that shapes and line segments can be reflected, rotated and translated

Activities

Shape and space: 2D

Symmetry

Flip, Slide, Turn

Data and Chance

Data

Pose questions of interest, record and use data as evidence to answer those questions and communicate the findings

Activities

Data

Sorting Data

Picture Graphs: with scale & half symbols

Making Picture Graphs: With Scale

Column Graphs

Tallies



For more information about Mathletics,
contact our friendly team.

www.mathletics.com/contact

