



Long Term Recorded Preparation for Mathematics

Ullmhúchán Fadtéarmach don Matamaitic

6th Class  Pleanáil

School / Scoil	Scoil Samplach (19999A)	Teacher / Múinteoir	Seán Ó Briain
Class Level / Rang	6th Class	Academic Year	2025-2026
Mode	Structured (Month-by-Month)	Learning Outcomes	15 (T1: 5 · T2: 5 · T3: 5)

Key / Eochair: T1 / T2 / T3 = term the outcome is planned for (T1 Sep–Dec, T2 Jan–Mar, T3 Apr–Jun)

Structure follows the Guidance on Preparation for Learning, Teaching and Assessment (Department of Education, 2026): expected learning in broad terms, sequencing, learning experiences, assessment and integration.

Expected Learning / Torthaí Foghlama Ionchais		
Strand / Element	Strand Unit	Content Objective / Learning Outcome
Algebra	Patterns, rules and relationships	Identify, explain and apply generalisations, including properties of operations, mathematical models and patterns. T1
	Expressions and equations	Represent mathematical structures in multiple ways, including verbal expressions, diagrams and symbolic representations. T2
		Articulate, represent and solve mathematical situations through the use of expressions and equations that include letter-symbols. T3
Data and Chance	Data	Pose questions, collect, compare, summarise and represent data selectively to answer those questions. T1
		Critically analyse and evaluate findings; and communicate inferences, conclusions and implications from the findings. T2
	Chance	Use probability to make informed decisions and predictions. T3
Measures	Measuring	Determine and calculate units of measurement in fractional and/or decimal form to solve practical problems. T1
		Find, interpret and deduce measures experimentally with increasing precision. T2
	Time	Solve and pose practical tasks and problems involving the interpretation and calculation of time. T3
Number	Place value and base ten	Investigate how decimals and percentages (and fractions) can be compared, ordered and expressed in related terms. T1

Strand / Element	Strand Unit	Content Objective / Learning Outcome
	Sets and operations	Build upon, select and make use of a range of operation strategies. T2
	Fractions	Explore (model, compare and convert) the relationships between fractions, decimals and percentages. T3
Shape and Space	Spatial awareness and location	Describe location on the full co-ordinate plane. T1
		Interpret scale maps and create simple scale drawings. T2
	Shape	Construct 3-D and 2-D models or structures given defined measurements and/or specific conditions. T3

Focus of Learning & Learning Experiences

Fócas na Foghlama agus Eispéiris Foghlama

Aims

Aidhmeanna

A broad and balanced 6th Class mathematics programme across Number, Algebra, Measures, Shape and Space, and Data and Chance, with problem-solving and real-life application at its centre.

Month-by-Month Breakdown					
Miondealú Mí ar Mhí					
Month & Focus	Strand / Topic	Key Concepts	Problem-Solving Focus	Resources	Integration
Term 1: September – December					
September <i>Meán Fómhair</i>	Number: place value to millions and decimals; the four operations	Read, write and order numbers to 1,000,000 and decimals to thousandths; estimation and rounding	Multi-step word problems with large numbers; choosing the operation	Place value charts, number lines	STE: large numbers in space and population data
October <i>Deireadh Fómhair</i>	Number: fractions, decimals and percentages	Equivalence between fractions, decimals and percentages; comparing and ordering	Percentage of a quantity; discounts and money problems	Fraction walls, hundred squares	English: interpreting problem text
November <i>Samhain</i>	Measures: length, perimeter and area	Calculate perimeter and area of regular and irregular shapes; convert units	Area of the classroom; design a garden to a fixed area	Measuring tapes, squared paper	Geography: scale and maps
December <i>Nollaig</i>	Shape and Space: 2-D and 3-D shapes	Properties of 2-D and 3-D shapes; construct nets; lines of symmetry	Build 3-D shapes from nets; investigate which nets fold	Polydron, nets, mirrors	Visual Arts: symmetry and pattern
Term 2: January – March					
January <i>Eanáir</i>	Number: operations with fractions and decimals; ratio	Add, subtract and multiply fractions; ratio and proportion	Sharing in a ratio; scaling recipes up and down	Fraction tiles, recipe cards	SPHE: healthy eating and portions
February <i>Feabhra</i>	Algebra: patterns, rules and equations	Identify and extend patterns; use letters for variables; simple equations	Find the rule; solve for the unknown in real contexts	Pattern blocks, function machine templates	Music: pattern and rhythm
March <i>Márta</i>	Data and Chance: representing and interpreting data	Construct and read bar, line and pie charts; mean and mode; language of chance	Survey the class and present findings; predict likely outcomes	Spreadsheets, dice, spinners	STE: graphing experiment results
Term 3: April – June					
April <i>Aibreán</i>	Measures: time, money, weight and capacity	Solve problems involving time, money, weight and capacity; convert units	Plan a trip to a budget and timetable; compare value for money	Timetables, price lists, scales	Geography: time zones and travel
May <i>Bealtaine</i>	Shape and Space: angles, lines and coordinates	Measure and construct angles; plot coordinates; tessellation	Map a treasure hunt on a coordinate grid; tessellate a shape	Protractors, coordinate grids	PE: directions and orienteering

Month & Focus	Strand / Topic	Key Concepts	Problem-Solving Focus	Resources	Integration
June <i>Meitheamh</i>	Consolidation and problem-solving projects	Revisit key concepts across all strands; apply skills in extended tasks	Open-ended project: plan a class event using number, measures and data	Project templates, prior materials	Cross-curricular end-of-year project

Review & Adjustments

Athbhreithniú

Long-term preparation is tentative and dynamic (Guidance on Preparation for LTA, 2026). Note term-by-term adjustments here as the year unfolds.