



Baldragon Academy
Mathematics
Course Plan

S4

National 4

Term 1a - June

24 Periods (based on 5 weeks at 5 periods per week)

Revision of CfE Level 3 for Numeracy Assessment

Numeracy Revision 1

Learning Intention To be able to -	Periods
Calculate percentage of a value, increase and decrease	2
Foreign Exchange	1
Homework 1	
Calculate time intervals & complete timetables	1
Calculate decimal of hours from hours and minutes	1
Calculate Speed Distance Time (part hours)	2
Calculate the perimeter of a shape (basic and composite)	2
Homework 2	Total 9
Revise and complete questions 1-6 of Numeracy Assessment.	

Numeracy Revision 2

Learning Intention To be able to -	Periods
Solve problems using weights in grams and kilograms	1
Solve problems using ratio	2
Solving problems using negative numbers in context	2
Hire Purchase	1
Measure lines and angles	1
Homework 3	Total 7
Revise and complete questions 7-11 of Numeracy Assessment.	

Term 1b

August - October

40 Periods (based on 8 weeks at 5 periods per week)

Learning Intention To be able to -	Periods
Reading Tables	1
Understanding pie charts	2
Calculating Probability	2
Homework 4	Total 5
Revision - Complete Numeracy Assessment	

Expressions and Formulae - Part 1

Learning Intention To be able to -	Periods
Collecting Terms	1
Multiply and simplify algebraic terms involving a bracket.	3
Homework 5	
Factorising using a numerical common factor	3
Patterns in Diagram form - determine and use formula	3
Homework 6	
Evaluating an expression or a formulae which has more than one variable	3
Calculate the gradient of a slope & line	3
Homework 7	
	Total 16
Revise and complete questions 1-6 of Expressions and Formulae	

Expressions and Formulae - Part 2

Learning Intention To be able to -	Periods
Calculate the circumference of a circle (with diameter and radius)	3
Calculate the area of a circle (with diameter and radius)	3
Homework 8	
	Total 6

Term 2

October - December

40 Periods (based on 8 weeks at 5 periods per week)

Expressions and Formulae - Part 2

Learning Intention To be able to -	Periods
Area of 2D shapes (triangles and quadrilaterals)	4
Homework 1	
Calculate the surface area of a prism	4
Homework 2	
Calculate the volume of a 3D shape	3
Produce rotationally symmetrical shapes (on a plane and in a coordinate grid)	3
Homework 3	
	Total 14
Revise and complete questions 7-11 of Expressions and Formulae	

Expressions and Formulae - Part 3

Learning Intention To be able to -	Periods
Generate frequency tables (un-grouped and grouped data)	2
Calculate mean, median, mode and range of a data set	3
Homework 4	
Generating pie charts	4
Calculate probability of an event	2
Homework 5	
	Total 11
Revise and complete questions 12-15 of Expressions and Formulae	

Relationships - Part 1

Learning Intention To be able to -	Periods
Drawing and recognising a graph of a linear equation.	5
Homework 6	
Solving Equations: <ul style="list-style-type: none">- Simple equations- 2 steps equations- Harder equations- Equations with brackets	5
Homework 7	
	Total 10

Term 3

January - March

55 periods (based on 11 weeks at 5 periods a week)

Relationships - Part 1

Learning Intention To be able to -	Periods
Solving Equations: - Equations with negative numbers	3
Solve inequalities	2
Homework 1	
Change subject of an equations	3
	Total 8
Revise and complete questions 1-4 of Relationships	

Relationships - Part 2

Learning Intention To be able to -	Periods
Use Pythagoras' Theorem	6
Homework 2	
Use a fractional scale factor to enlarge or reduce a shape	3
Using parallel lines, symmetry and circle properties to calculate angles	2
Homework 3	
Using parallel lines, symmetry and circle properties to calculate angles	3
Trigonometry	3
Homework 4	
Trigonometry	5
Generate a scatter graph, line of best fit and interpret	2
Homework 5	
	Total 24
Revise and complete questions 5-11 of Relationships	

Revise for the AVU assessment

Do any resits

Revision for Added Value (non-calculation)

Learning Intention. To be able to -	Periods
Revision:	
- Fractions, percentage, decimals	1
- Pie-chart	1
- Scale factor	1
- consolidation	1
Assessment	1
Total	5

Revision for Added Value (calculation)

Learning Intention. To be able to -	Periods
Revision:	
- equations	1
- area	1
- TDS	1
- Pythagoras	1
- Trigonometry	1
- Scattergraph and probability	1
Assessment	1
Total	7