Baldragon Academy

Mathematics

Course Plan 2019-2020

S1

CfE Level 2

Topic reviews at the end of each topic.

End of Term Assessments.

Term 1

August – October

32 Periods (based on 8 weeks at 4 periods per week)

Whole Numbers 1

Learning Intention. To be able to -	Periods
Understand place value for numbers up to 100 000.	2
Add and subtract with up to 4 digits	2
Round any number to the nearest 10 or 100	2
Use rounding to simplify the estimation of the answer	2
Homework on Whole Numbers 1	Total 8

Whole Numbers 2

Learning Intention. To be able to -	Periods
Know how to multiply a number up to 5 digits by a single digit	2
Know how to divide a number up to 5 digits by a single digit	2
Know how to multiply a number quickly by 10, 100 or 1000	1
Know how to divide a number quickly by 10, 100 or 1000	1
Solve problems involving +, –, x, ÷ using a calculator when needed	3
Homework on Whole Numbers 2	Total 9

Money

Learning Intention To be able to -	Periods
Understand the value of money and how notes and coins are connected	2
Add and subtract money and multiply/divide money by a number.	2
Understand how to set down a bill and evaluate it	2
Compare and decide the cheaper option or the best buy	2
Decide which of the 4 operators to use when solving money problems	2
Homework on Money	Total 10

Total = 27 periods

Term 2

October – December

32 Periods (based on 8 weeks at 4 periods per week)

Fractions

Learning Intention To be able to -	Periods
Identify a "basic" fraction	1
Determine what fraction of a shape has been chosen	2
Recognise and be able to find equivalent fractions	2
Find a basic fraction of a number	3
Homework on Fractions	Total 8

Algebra

Learning Intention. To be able to -	Periods
Use a number machine to follow instructions involving calculations	2
Understand what a basic equation is and how to solve it using "cover up"	2
Recognise and solve basic equations involving missing letters	3
Homework on Algebra	Total 7

Coordinates

Learning Intention. To be able to -	Periods
Find the position of a point using a grid system	2
Use mathematical language to give the position of a point	2
Coordinate Picture	2
Homework on Coordinates	Total 6

Symmetry

Learning Intention. To be able to -	Periods
Identify lines of symmetry	2
Generate shapes with a line of symmetry	2
Homework on Symmetry	Total 4

Total = 25 periods

ChristMATHS activities

Term 3

January – March

42 periods (based on 11 weeks at 4 periods a week)

Integers

Learning Intention. To be able to -	Periods
Work with integers - negative numbers in particular.	2
Use a thermometer to help with negative numbers	2
Add and subtract negative numbers	2
Homework on Integers	Total 6

Percentages / Decimals / Fractions

Learning Intention. To be able to -	Periods
Reduce a percentage to a fraction in simplest form	2
Calculate percentages of a quantity without a calculator	2
Calculate percentages of a quantity with a calculator	2
Homework on Percentages / Decimals / Fractions	Total 6

Area and Perimeter

Learning Intention. To be able to -	Periods
Measure and draw using cm and mm.	2
Convert between units of length	2
Solve problems using length	1
Find the perimeter	2
Find the area of a basic shape	2
Find the area of a rectangle using a formula	1
Find the area of a right angled triangle	2
Homework on Area and Perimeter	Total 12

Angles

Learning Intention To be able to -	Periods
Recognise all angle types and know their names	1
Name angles correctly	1
Use a protractor to measure an angle	2
Use a protractor to construct an angle	2
Know the 8 compass points and the size of the angles between them	2
Homework on Angles	Total 8

Total = 32 periods

Term 4a

April – May (Change of timetable)

16 periods (based on 4 weeks at 4 periods a week)

<u>Volume</u>

Learning Intention. To be able to -	Periods
Order shapes depending on their volumes	1
Understand the connection between litre and millilitres	1
Convert between litres and millilitres	2
Find the volume of a shape by counting cubes up	2
Find the volume of a cuboid using a formula	2
Homework on Volume	Total 8

Total = 8 periods

Catch up with any topic reviews that have been missed.

Use problem solving tasks if course finished before allocated time.