Baldragon Academy

Mathematics

Course Plan

S4

National 3

Term 1a

June

20 Periods (based on 4 weeks at 5 periods per week)

Resource Access 3, 3G & 4G Books

<u>Money</u>

Learning Intention To be able to –	Periods
Work out pay given hourly rate and hours worked	2
Work out hourly rate from wage and hours worked	2
Work out weekly and monthly pay	2
Work out annual salary	2
Work commission	2
Calculate Overtime Pay	2
Complete Pay Slips – gross, net pay as well as Bonus	2
	Total 14

Revise & do question 1 - 3 of *Manage Money and Data* assessment – 2 periods

Term 1b

August – October

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

<u>Money 2</u>

Learning Intention. To be able to -	Periods
Budget for an event	6
Generate a realistic household budget using wages from a given job - project	4
Find the best buy – product & service – include percentages	5
Using Debit, Credit Cards and hire purchase	4
	Total 19

Revise & do question 4 - 7 of *Manage Money and Data assessment* – 3 periods

<u>Statistics</u>

Learning Intention. To be able to -	Periods
Read different graphs (pictograph, bar, line and pie)	2
Generate a frequency table from a data list	3
Generate Bar/Line graphs from a frequency table	3
	Total 8

Revise & do question 8 – 9 of *Manage Money and Data assessment* – 3 periods

** Includes 1 week for work experience **

Term 2

October – December

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

Time

Learning Intention. To be able to -	Periods
Convert between 12 and 24 hour time and vis versa	2
Calculate time intervals in both 12 and 24 hour time	2
Read bus and train timetables	2
Calculate Distance given speed and time (whole hours)	2
	Total 8

Scale Drawing

Learning Intention. To be able to -	Periods
Enlarge or reduce a shape by a scale factor	3
Use simple maps – directions (include maps of Dundee)	3
Calculate true distance from a map scale and vis versa	3
	Total 9

Revise and then do question 1, 3 & 6 of *Shape Space Measure* assessment – 3 periods

Perimeter and Area

Learning Intention. To be able to -	Periods
Work out the perimeter of basic shapes	3
Calculate area of basic shapes – square, rectangle & triangle	3
Calculate perimeter and area in a real life context	2
	Total 8

Volume

Learning Intention. To be able to -	Periods
Calculate the volume of cuboids – counting blocks	2
Calculate the volume using a formula	2
Calculate the capacity in millilitres and/or litres	3
	Total 7

Revise and do questions 2 and 4 of *Shape Space Measure* assessment – 3 periods

Term 3

January – March

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

Patterns

Learning Intention. To be able to -	Periods
Continue simple linear patterns from a picture	2
Continue more challenging patterns from a picture	2
	Total 4

Revise and do questions 5 of *Shape Space Measure* assessment – 1 period

Number Skills in Real Life Context

Learning Intention. To be able to -	Periods
Percentage of a value in context	2
Basic Proportion	2
Pick the correct calculation from a word problem	2
Basic Time Intervals	2
	Total 8

Revise and do questions 1-3 of *Numeracy* assessment – 2 periods

Learning Intention. To be able to -	Periods
Calculations (+, - , x and ÷) in real life context (include money, capacity and distances)	5
Recall reading tables and graphs	2
	Total 6

Revise and do questions 4-9 of *Numeracy* assessment – 3 periods

Learning Intention. To be able to -	Periods
Revision of reading charts and tables	5
Finding a fraction of an amount	3
	Total 4

Revise and do questions 10-12 of *Numeracy* assessment – 3 periods