



Baldragon Academy
Mathematics
Course Plan

S3

CfE Level 3

Term 1a

June

16 Periods (based on 4 weeks at 4 periods per week)

Resource Access 3, 3G & 4G Books

Money

Learning Intention To be able to -		Periods
Work out pay given hourly rate and hours worked	MNU 3-03a	2
Work out hourly rate from wage and hours worked	MNU 3-03a	2
Work out weekly and monthly pay	MNU 3-03a	2
Work out annual salary	MNU 3-03a	2
Homework Money (Wages and Pay)		
Calculate percentage wage rise	MNU 3-08a	2
Work commission	MNU 3-08a	2
Calculate Overtime Pay	MNU 3-03a	2
Complete Pay Slips - gross and net pay	MNU 3-03a	2
Homework on Money (Earning extra money)		Total 16

Term 1b

August - October

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

Money 2

Learning Intention. To be able to -		Periods
Budget for an event	MNU 3-09a	2
Generate a realistic household budget using wages from a given job - project	MNU 3-09b	4
Find the best buy - product & service	MNU 3-09a	3
Using Debit, Credit Cards and hire purchase	MNU 3-09a	2
Homework on Money (Making decisions)		Total 8

Statistics

Learning Intention. To be able to -		Periods
Read different graphs (pictograph, bar, line and pie)	MTH 3-20b	4
Read Scattergraphs - introduce correlation	MTH 3-20b	2
Read stem and leaf graphs	MTH 3-20b	2
Generate bar and line graphs	MTH 3-21a	3
Homework on Graphs		
Generate a frequency table from a data list	MTH 3-21a	2
Calculate Averages and spread of a data list	MTH 3-21a	4
Homework on Averages		
		Total 17

Revision

Allow 6 periods for revision of Money and Statistics and 1 period for the review.

Term 2

October - December

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

Perimeter and Area

Learning Intention. To be able to -		Periods
Work out the perimeter of basic and composite shapes	MTH 3-11b	3
Calculate area of basic shapes - rectangle, parallelogram, kite and rhombus (stretch to trapezium if coping well)	MTH 3-11a	5
Calculate area of composite rectangular and triangular shapes	MTH 3-11a	2
Calculate perimeter and area in a real life context	MTH 3-11a	1
Homework on Perimeter and Area		Total 11

Volume

Learning Intention. To be able to -		Periods
Calculate the volume of cuboids - counting blocks	MTH 3-11a	2
Calculate the volume using a formula	MTH 3-11a	2
Calculate composite volume	MTH 3-11b	2
Calculate the capacity in millilitres and/or litres	MTH 3-11a	3
Homework on Volume		Total 9

Scale Drawing

Learning Intention. To be able to -		Periods
Enlarge or reduce a shape by a scale factor	MTH 3-17c	3
Use simple maps - directions (include maps of Dundee)	MTH 3-17b	3
Calculate true distance from a map scale and vis versa	MTH 3-17b	3
Homework on Scale Drawing		Total 9

Term 3

January - March

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

Patterns

Learning Intention. To be able to -		Periods
Continue simple linear patterns from a picture	MTH 3-13a	2
Continue more challenging patterns from a picture	MTH 3-13a	2
Homework on Patterns		Total 4

Time

Learning Intention. To be able to -		Periods
Convert between 12 and 24 hour time and vis versa	MNU 3-10a	2
Calculate time intervals in both 12 and 24 hour time	MNU 3-10a	2
Read bus and train timetables	MNU 3-10a	2
Calculate Distance given speed and time (whole hours)	MNU 3-10a	2
Homework on Time		Total 8

Revision

Allow 6 periods for revision and 1 period for the review.

Number Skills in Real Life Context

Learning Intention. To be able to -		Periods
Percentage of a value in context	MNU 3-07a	2
Fraction of a value in context	MTH 3-07b	2
Pick the correct calculation from a word problem	MNU 3-08a	2
Homework on Number Skills in Context		Total 6

Learning Intention. To be able to -		Periods
Recall time facts	MNU 3-10a	2
Recall volume facts	MNU 3-10a	2
Recall reading tables and graphs	MNU 3-10a	2
		Total 6

Revision

Allow 6 periods for revision and 1 period for the review of numeracy.

Money - Foreign Exchange

Learning Intention. To be able to -		Periods
Change pounds to a foreign currency given exchange rate	MNU 3-09a	2
Change foreign currency back to pounds	MNU 3-09a	2
Homework on Foreign Currency		Total 4

Term 4a

April - May (Change of timetable)

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

Ratio

Learning Intention. To be able to -		Periods
Recognise the ratio of items	MNU 3-08a	1
Simplify a ratio to its simplest form	MNU 3-08a	1
Calculate values to a given ratio	MNU 3-08a	3
Homework on Ratio		Total 5

Negative Numbers in Context

Learning Intention. To be able to -		Periods
Make basic calculations using negatives in context	MNU 3-04a	3
Add/subtract negative numbers	MNU 3-04a	3
Make basic multiply/divide calculations with negatives	MNU 3-04a	3
Homework on Negative Numbers		Total 9