

S3 PREPARATION FOR NAT 4 – NUMERACY

WHOLE NUMBERS	NS	OT	VG
Add, subtract, multiply and divide whole numbers			
Multiplying and dividing a whole number by 10, 100, 1000			
Multiplying and dividing a whole number by multiples of 10 and 100			
Rounding to the nearest whole number, 10, 100 or 1000			
Calculating whole numbers in a real life context			
Express numbers up to 10 000 in words and figures			

TJ 3G Pages 9 - 13

DECIMALS, PERCENTAGES AND FRACTIONS	NS	OT	VG
Rounding to one or two decimal places			
Add and subtract decimals (up to 2 decimal places)			
Multiple and divide a decimal number by a whole number			
Multiplying and dividing a decimal number by 10, 100, 100			
Multiplying a decimal by multiples of 10			
Find a percentage of a quantity with and without a calculator			
Find fractions of a shape and a quantity			
Convert between common fractions, decimals and percentages			

TJ 3G Pages 30 – 49, 124 – 127, 180 – 181,

MEASUREMENT	MNU 3-08a	NS	OT	VG
Know the units of measurement for time, length, volume and temperature				
Be able to convert between units of measurements in the same family				
Be able to order items by time, length, volume and temperature				
Be able to measure length to the nearest centimetre				
Use the results of measurement to make comparisons or decisions				
Reading scales and using these readings to make decisions				

TJ 3G Pages 28 – 30, 107 - 110

DATA HANDLING	NS	OT	VG
Reading information from tables			
Reading information from pictograms and bar charts and simple pie charts			
Reading information from line graphs			
Using information from graphs and table to make decisions			

TJ 3G Pages 132 - 137

PROBABILITY NUM 2.3	NS	OT	VG
Be able to arrange events on a probability line			
Be able to calculate simple probabilities			
Be able to make decisions based on the likelihood of an event happening			

TJ 3G Pages 214 - 217

S3 PREPARATION FOR NAT 4 – MONEY & DATA

MONEY - WAGES	NS	OT	VG
----------------------	-----------	-----------	-----------

- Calculating Basic Pay – weekly, monthly and annual salary
- Calculating overtime (double time)
- Understand deductions from wages – NI and Income Tax
- Calculating Gross Pay and Net Pay
- Filling in payslips

TJ 3G Pages 64 – 71, 76 – 77, 80 - 82

MONEY - BUDGETING	NS	OT	VG
--------------------------	-----------	-----------	-----------

- Understand factors which affect income and expenditure
- Know the difference between “needs” and “wants”
- Balancing income and expenditure
- Budgeting for an event or an item
- Compare two products to find the best deal

Level 3 ‘Budgeting’ and ‘Needs and Wants’ unit from
http://www.teejaypublishers.co.uk/html_scot/finance.html

DATA - AVERAGES	NS	OT	VG
------------------------	-----------	-----------	-----------

- Order a data set to find the range for the data
- Order a data set to find the mode and the median
- Calculate the mean for a data set
- Use these calculations to compare data sets

TJ 3G Pages 144 - 145

DATA – TABLES, GRAPHS AND CHARTS	NS	OT	VG
---	-----------	-----------	-----------

- Organising data in tables, lists and tally charts
- Drawing pictograms
- Drawing bar charts
- Drawing line graphs
- Drawing simple pie charts
- Interpreting graphs to make a conclusion

TJ 2a Pages 180 - 184

S3 PREPARATION FOR NAT 4 – SHAPE, SPACE & MEASURE

PERIMETER AND AREA	NS	OT	VG
---------------------------	-----------	-----------	-----------

Find the perimeter of a 2D Shape
 Find the area of a square or a rectangle by counting squares
 Calculate the area of a square or a rectangle using a formula
 Use the correct units of measurement for perimeter and area

TJ 3G Pages 163 - 168

VOLUME	NS	OT	VG
---------------	-----------	-----------	-----------

Find the volume of a cuboid by counting cubes
 Find the volume of a cuboid using a formula
 Use the correct units of measurement for volume

TJ Level E Pages 183 - 188

DIRECTIONS	NS	OT	VG
-------------------	-----------	-----------	-----------

Follow directions for a simple route or journey
 Give directions to describe a journey

PATTERNS WITH SHAPES	NS	OT	VG
-----------------------------	-----------	-----------	-----------

Recognise and continue a repeated pattern
 Creating a new pattern
 TJ 3G Pages 205-208

SCALE DRAWINGS	NS	OT	VG
-----------------------	-----------	-----------	-----------

Enlarge or reduce a shape using scale factor
 Calculate the real length of an object from a scale drawing
 Make simple scale drawings

TJ 3G Pages 50 - 57

TIME MANAGEMENT	NS	OT	VG
------------------------	-----------	-----------	-----------

Convert between 12 hour and 24 hour time
 Calculate time intervals including overnight
 Read and interpret timetables

TJ 3G Pages 107 – 110

