

Linking Junior Cycle Mathematics with Level 2 Learning Programmes			
PLU	Elements of the Priority Learning Unit	Level 2 Learning Outcomes	Possible links to Junior Cycle Mathematics Specification
Communication and Literacy	Speaking appropriately for	1.2 Ask questions to obtain information, e.g.to check dates/prices (face to face and by telephone), booking a meal over the telephone	SP.3(a) generate a statistical question, also see U.6 & U.13
	a variety of purposes and demonstrating attentiveness as a listener	1.4 Express personal opinions, facts and feelings appropriately, e.g. expressing an opinion on a television programme, relate news from their weekend	SP.3(d) select, draw and interpret appropriate graphical displays of univariate data, including pie charts, bar charts, line plots, histograms (equal intervals), ordered stem and leaf plots, <b>and ordered back-to- back stem and leaf plots</b> , also see U.13
	Reading to obtain basic information	1.14 Interpret different forms of writing and text, including social signs and symbols, e.g. common formats of bills, menus, forms, timetables, road and other signs, simple food preparation instructions (boil an egg, make a sandwich, make a cup of tea), short piece of personally relevant writing	N.2(c) solve money-related problems including those involving bills, VAT, profit or loss, % profit or loss (on the cost price), cost price, selling price, compound interest for not more than 3 years, income tax (standard rate only), net pay (including other deductions of specified amounts).
		1.15 Find key information from different forms of writing, e.g. locate factual information in forms/bills, times and dates of appointments, menus, timetables, newspapers	value for money calculations and judgements, mark up (profit as a % of cost price), margin (profit as a % of selling price), compound interest, income tax and net pay (including other deductions)
	Using expressive arts to communicate	1.23 Create a range of images using a variety of materials	SP.3(d) select, draw and interpret appropriate graphical displays of univariate data, including pie charts, bar charts, line plots, histograms (equal intervals), ordered stem and leaf plots, <b>and ordered back-to- back stem and leaf plots</b> , also see U.7
		1.24 Produce a piece of work for display	SP.3(d) select, draw and interpret appropriate graphical displays of univariate data, including pie charts, bar charts, line plots, histograms (equal intervals), ordered stem and leaf plots, <b>and ordered back-to- back stem and leaf plots</b> , also see U.4 & U.13
		1.29 Use technology to communicate in an activity with others	SP.3(b) plan and implement a method to generate and/or source unbiased, representative data, and present this data in a frequency
	Using suitable technologies for a range of purposes	1.34 Use a software package, involving opening a package, entering and manipulating text/image/data, save to file, print and exit safely, e.g. clipart, word document, electronic presentation	table, also see U.13 SP.3(b) plan and implement a method to generate and/or source unbiased, representative data, and present this data in a frequency table
		1.35 Access a range of websites on the internet e.g. Scoilnet, websites of personal interest to the student	
		1.36 Find information for a project on the web	
Numeracy	Managing money	2.4 Understand a common household bill in relation to the service provided, how much being charged and how it can be paid for	N.2(c) solve money-related problems including those involving bills, VAT, profit or loss, % profit or loss (on the cost price), cost price, selling price, compound interest for not more than 3 years, income tax (standard rate only), net pay (including other deductions of specified amounts), value for money calculations and judgements, mark up (profit as % of cost price), margin (profit as % of selling price), compound interest, income tax and net pay (including other deductions) also see 11.6
	Developing an awareness of number	2.8 Recognise numbers up to 100 in N, e.g. knowing how many zeros for tens, hundreds	N.1(a) represent the operations of addition, subtraction, multiplication, and division in $\mathbb{N}$ , $\mathbb{Z}$ , and $\mathbb{Q}$ using models including the number line, decomposition, and accumulating groups of equal size
		$2.9\ \text{Recognise}$ place value in relation to units, tens and hundreds e.g. knowing how many zeros for tens, hundreds	N.1(e) present numerical answers to the degree of accuracy specified, for example, correct to the nearest hundred, to two decimal places, or to three significant figures
		2.10 Add two-digit whole numbers that total less than 100 in the context of an everyday situation	N.1(a) represent the operations of addition, subtraction, multiplication, and division in N, $\mathbb{Z}$ , and $\mathbb{Q}$ using models including the number line, decomposition, and accumulating acting sets 16.
		2.11 Subtract two-digit whole numbers in the context of an everyday situation 2.12 Estimate quantities to the pearest value in broad terms, e.g. to the pearest quantity.	N.1(e) present numerical answers to the degree of accuracy specified,
		in 10s or 100s as appropriate	for example, correct to the nearest hundred, to two decimal places, or to three significant figures, also see U.6
	Developing an awareness of weight and capacity	2.10 Use appropriate vocabulary to describe the units of weight and capacity, e.g. litres, 500ml, kilograms, grams (pictorial or concrete)     2.20 List some examples of weight and capacity from daily life, e.g. knowing own weight, a litre of milk     2.21 Use a graduated vessel to work out the capacity of liquids, e.g. using a jug to	GT.1 calculate, interpret, and apply units of measure and time, also see
		measure litre of milk 2.23 Use appropriate vocabulary to describe the units in length and distance, e.g.	
	Developing an awareness of length and distance	kilometres, metres, centimetres	0.1 0.0.0
		2.25 Use a ruler to draw and measure different lengths of lines 2.26 Estimate the length of common objects, e.g. the length of a book 2.27 Measure the length of common places, e.g. bathroom, kitchen, classroom using measuring tape	
	Using a Calculator	2.28 Find digits 0-9 and the decimal point and necessary operations buttons (+, -, +, =) on a calculator	U.1 recall and demonstrate understanding of the fundamental concepts and procedures that underpin each strand
		2.29 Use a calculator to solve simple problems, e.g. add two items 2.30 Use a calculator to correct work which has been completed without the use of a calculator	U.2 apply the procedures associated with each strand accurately, effectively, and appropriately
	Developing Spatial Awareness	2.32 Use appropriate vocabulary to describe direction, e.g. clockwise, anti-clockwise, horizontal, vertical	GT.6(a) recognise and draw the image of points and objects under translation, central symmetry, axial symmetry, and rotation, also see GT.1, U.1 & U.13
		2.37 Move a range of objects in given directions	G I 6(a) recognise and draw the image of points and objects under translation, central symmetry, axial symmetry, and rotation, also see U.6
	Using data for a range of different purposes	2.38 Identify uses of data in everyday life, e.g. class survey on the most popular movie for teenagers	SP.3(c) classify data (categorical, numerical), also see U.6
		2.39 Identify basic approaches to data collection, e.g. record sheets, tally system	SP.3(b) plan and implement a method to generate and/or source unbiased, representative data, and present this data in a frequency table, see also SP.2(c) SP.3(b) plan and implement a method to generate and/or source
		2.40 Collect a range of data using one of the following: a survey, record sheet, tally system or audio-visual records	unbiased, representative data, and present this data in a frequency table
		2.41 Interpret basic data of two criteria, e.g. more/less of one class than another, bigger/smaller	SP.3(d) select, draw and interpret appropriate graphical displays of univariate data, including pie charts, bar charts, line plots, histograms
		2.42 Construct basic representations to communicate data with two criteria, e.g. drawing a pictogram /bar chart	(equal intervals), ordered stem and leaf plots, and ordered back-to- back stem and leaf plots, also see U.13
		2.43 Talk about /discuss information from basic data e.g. a pictogram, bar chart, or trend graph	SP.3(e) select, calculate and interpret appropriate summary statistics to describe aspects of univariate data. Central tendency: mean (including of a grouped frequency distribution), median, mode. Variability: rance. also see U.13.
	Using Shapes	2.44 Name common 2D and 3D shapes in everyday life, e.g. circles, rectangles, cubes, cylinders and spheres	GT.2(b) draw and interpret nets of rectangular solids, prisms (polygonal bases), cylinders, also see U.6
		2.45 Divide a line into two equal segments without measuring, e.g. by folding	GT.6(b) draw the axes of symmetry in shapes
		2.46 Find axes of symmetry of familiar 2D shapes and figures by folding, and mark them	GT 2(h) draw and interpret note of rectongular solida priores
		edges	(polygonal bases), cylinders
		2.48 Sort 2D and 3D shapes and forms in relation to size	G1.2(a) draw and interpret scaled diagrams, also see U.6
	Developing an awareness of time	2.49 rem the time from a digital clock for the hour, half hour and quarter hour	U.6 U.6
		2.52 Solve problems to work out the passage of time, e.g. use the start and finish time to	N.3(b) solve problems involving proportionality including those
		calculate duration of journey or programme, calculate the duration of a specific programme	involving currency conversion and those involving average speed, distance, and time, also see U.6, U.7, U.8 and U.9

Links are described as 'possible' as teachers and/or subject departments are best placed to identify the relevant direct links to the L2LP learning outcomes which they deem appropriate to their students. Whilst possible links to two PLU's have been identified above, teachers may also consider the learning outcomes in the following PLU's; Personal Care, Living in a Community and Preparing for Work, to identify other possible links between these PLU's and Junior Cycle Mathematics learning outcomes. **Higher level material is shown in bold text.**