Mapping the Numeracy Focus Areas

Numeracy Focus	Victorian Curriculum Numeracy Learning Progressions	Victorian Curriculum Frameworks: VEYLDF and VC A-10	Developing understanding, fluency, problem solving and reasoning Everyday contexts and examples
Developing number sense Quantifying numbers, using additive strategies and multiplicative strategies	• Quantifying numbers • Additive strategies • Multiplicative strategies	**Number and Algebra**	Modelling and solving problems using a variety of mental, written and digital strategies with increasing efficiency. Working flexibly with the concepts, strategies and representations of addition, multiplication (and division) in a wide range of contexts. Birth to Level 2 · Levels 3-8 · Levels 9 -10
Exploring patterns and relationships Using number patterns and thinking algebraically	• Number patterns and algebraic thinking		Exploring patterns and relationships in everyday environments, from design in architecture through to natural phenomena such as shell spirals and plant foliage. Using number patterns in data to explore trends and relationships. Birth to Level 2 · Levels 3-8 · Levels 9 -10
Using proportional reasoning Operating and interpreting decimals, fractions, percentages, rations and rates	• Operating with decimals • Operating with percentages • Comparing units • Interpreting fractions • Understanding money*		Operating effectively with decimals, fractions, percentages, ratios and rates, and interpreting and moving fluently between the different representations. Understanding and using numerical data and texts to communicate information, and support conclusions about social, economic and environmental issues. Birth to Level 2 · Levels 3-8 · Levels 9 -10
Understanding and using geometric properties and spatial reasoning	• Understanding geometric properties • Positioning and locating	**Measurement and Geometry**	Interpreting and comparing scale diagrams, solving problems in real-life contexts such as navigation and orienteering. Understanding the underlying mathematical properties and processes involved in the transformation of objects and shapes Birth to Level 2 · Levels 3-8 · Levels 9 -10
Understanding, estimating, and using measurement	• Understanding units of measurement • Measuring time*		Exploring measurement in everyday environments, recognising attributes that are measured, how different units of measure are used and calculated, developing a sense of the reasonableness of estimates and the likely size and nature of their expected result. Birth to Level 2 · Levels 3-8 · Levels 9 -10
Exploring chance and data	• Interpreting and representing data • Understanding chance	**Statistics and Probability**	Exploring and investigating chance events and working with data in authentic contexts. Making conjectures about expectations of findings, and then testing and reporting on these predictions are critical elements of understanding chance and data. Birth to Level 2 · Levels 3-8 · Levels 9 -10

VEYLDF Learning Outcomes

*These progressions have not been explicitly referenced in the Numeracy Focus Areas as they are subcategories of the listed big ideas.