Subject: Mathematics / My Cognition	Subject Lead: Shelley Buckingham	Academic Year: 2025/2026

Curriculum Intent

At Leycroft Academy we see Mathematics as a highly inter-connected discipline which is essential to everyday life. A high-quality mathematics education therefore provides a foundation for understanding the world, the ability to reason mathematically, an appreciation of the beauty and power of mathematics, sense of enjoyment and curiosity about the subject and the ability to problem solve. Our curriculum is split into three pathways. Seekers, Explorers and Connectors.

Seekers- In the seekers curriculum, we expose children to a broad and balance variety of mathematical concepts through thematic, sensory learning experiences. This approach fosters the development of problem-solving skills by allowing children to explore practical concepts in a tactile and engaging manner. Mathematics is not merely an academic discipline; it contributes significantly to essential life skills, including critical thinking and decision-making. Our focus on exploration, realisation, anticipation, persistence, and initiation cultivates a robust mathematical foundation, encouraging children to perceive mathematics as an integral part of their everyday lives, ultimately nurturing their curiosity and confidence in navigating the world around them.

Explorers- In explorers, we explore mathematics to lay a foundational framework for cognitive development and lifelong learning. Through sensory mathematical experiences, children engage in hands-on activities that promote curiosity and foster a love for exploration. These experiences are essential in building problem-solving skills, as children learn to approach challenges with creativity and resilience. Practical mathematical concepts, such as counting, measuring, and shape work are integrated into fun everyday activities, demonstrating the relevance of mathematics in daily life. Children will progress through sequential skills at their own pace which ultimately contributes significantly to life skills, equipping children with the ability to make informed decisions and navigate their world confidently.

Connectors- In our connectors curriculum, We teach mathematics not only as an academic discipline but as a fundamental life skill that promotes independence and confidence. Mathematical understanding fosters problem-solving abilities essential for everyday tasks, such as budgeting and time management. Moreover, it empowers children to engage meaningfully with their communities, enabling them to contribute actively and positively. Children will progress through sequential skills in number and place value including statistics, calculation, geometry, measure, and fractions at their own pace. Through the mastery and generalisation of mathematical concepts, we equip our students to navigate the world, enhancing their opportunities for social inclusion and personal

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growth.

Numeracy Long Term Plan 2025-2026 Autumn term														
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14	Week 15
Seekers	Engagement Model – thematic exposure Year 1 – All About Me (my family) Geometry (Reflections/symmetry, Patterns) Year 2 – All About Me (my body, my features) Measure (length, weight)								Engagement Model – thematic exposure Year 1 – Celebrations Geometry & Number and Place value (Grouping and Sharing, Number) Year 2 – Musical Mayhem Number and Place value & Geometry (Number, Patterns)						
Explorers WRH	Getting to know you Links could include length, weight		Number and Place Value		Measure		Number and Place Value		Number and Place Value		Geometry		Number and Place Value		Consolidate
Connectors WRH Yr 1,2,& 3	Number and Place value				Measure				Calculation				Number and Place Value		Consolidate

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Numeracy Long Term Plan 2025-2026 Spring term											
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6		Week 7	Week 8	Week 9	Week 10	Week 11
Seekers	Engagement Model – thematic exposure Year 1 – Changing States Measure (Capacity) Year 2 – All Creatures Big and Small Geometry							Engagement Model – thematic exposure Year 1 – On the Farm Geometry & Number and Place Value (Shape & Number) Year 2 – Where Can We Eat? Measure & Number and Place Value (Money)				
Explorers WRH	Calculation (Number and place Value if not at calculation level)		Geometry		Number and Place Value			Measure		Number and Place Value		STEM Week
Connectors WRH Yr 1,2,& 3	Calculation		Geometry					Measure		Number and Place Value		STEM Week

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Numeracy Long Term Plan 2025-2026 Summer Term													
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13
Seekers KS1	Engagement Model – thematic exposure Year 1 – Travel Measure & Number and Place Value (Weight, Money) Year 2 – Under the sea Measure (Capacity)						Engagement Model – thematic exposure Year 1 – Competition (world cup) Measure & Number and Place Value (Time, position and direction) Year 2 – Competition (Wimbledon) Measure & Number and Place value (Length, number)						
Explorers WRH	Geometry		Number and Place Value		Measure		Measure		Geometry		Calculation/ (Number and place Value if not at calculation level)		STEM week
Connectors WRH Yr 1,2,& 3	Geometry		Number and Place Value				Measure - Time			Fractions			STEM week

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Learning area coverage across academic year				
Area	Seekers Year 1	Seekers Year 2	Explorers MS 7-9	Connectors
Number and Place Value	3 links	3 links	14 weeks	12 weeks
Calculation			4 weeks	6 weeks
Geometry	5 links	3 links	8 weeks	6 weeks
Measure	4 links	3 links	8 weeks	9 weeks
Fractions			0 weeks	3 weeks

Sequential skills document

Mathematics (my cognition) sequence of learning - progression ladders.docx

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