Geometry – Shape

Pupils will be able to:

- identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line
- identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces
- identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid]
- compare and sort common 2-D and 3-D shapes and everyday objects.

Number – Addition and Subtraction

Pupils will be able to:

- solve problems with addition and subtraction:
- using concrete objects and pictorial representations, including those involving numbers, quantities and measures
- applying their increasing knowledge of mental and written methods
- recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100
- add and subtract numbers using concrete objects, pictorial representations, and mentally

Week 1 03.11.25	Week 2 10.11.25	Week 3 17.11.25	Week 4 24.11.25	Week 5 01.12.25	Week 6 08.12.25	Week 7 15.12.25
Y1 Pre-Learning Challenge Geometry • Recognise 2-D and 3-D shapes • Count sides on 2-D shapes • Count vertices on 2-D shapes	Lines of symmetry • Use lines of symmetry to complete shapes • Sort 2-D shapes • Count faces on 3-D shapes	• Count edges on 3-D shapes • Count vertices on 3D shapes • Sort 3-D shapes • Make patterns with 2-D 3-D shapes Y2 Post Learning Challenge Geometry	Y1 Pre-Learning Challenge-Addition and subtraction • Bonds to 10	• Fact families- bonds to 20	• Related facts	Bonds to 100 Pause & Stretch
Key Vocabulary: curved face edge half hexagon octagon properties pentagon rectangular rotate/rotating/rotation semicircle square prism triangular	**Key Vocabulary:** line of symmetry mirror image mirror line reflect/reflection right rotate/rotating/rotation straight line symmetry/symmetrical	**Key Vocabulary:** curved surface face edge properties prism rectangular square prism straight line triangular vertex/vertices vertical	**Key Vocabulary:** adding sentence/story bond balances/balancing calculation fact in total larger more number facts part-whole model	**Key Vocabulary:** adding sentence/story bond balances/balancing calculation fact in total larger more number facts part-whole model	**Key Vocabulary:** adding sentence/story bond balances/balancing calculation fact in total larger more number facts part-whole model	**Key Vocabulary:** adding sentence/story bond balances/balancing calculation fact in total larger more number facts part-whole model

Outdoor Activity: Bonfire Theme	Discrete Problem Solving	Board Games	Discrete Problem Solving	Discrete Problem Solving	Outdoor Activity: Christmas Theme	Board Games
	Find possibilities Firework Colours **Reasoning** Explain with reasons and beginning to use given sentence stems and connectives to expand. Listen to others' explanations, make sense of them and compare and evaluate.		Find possibilities Cake Colours (Pete's Cakes) **Reasoning** Explain with reasons and beginning to use given sentence stems and connectives to expand. Listen to others' explanations, make sense of them and compare and evaluate.	Find possibilities Elf Hats & T-shirts **Reasoning** Explain with reasons and beginning to use given sentence stems and connectives to expand. Listen to others' explanations, make sense of them and compare and evaluate.		
Mastering Numbers Week 1: • Composition of odd numbers including being made of 2s and 1 more, or 1 odd part and 1 even part.	**Mastering Numbers Week 2:** • Composition of 7 • Use the Hungarian number pattern and the rekenrek to find all the ways that make 7 can be composed. • Apply knowledge to expressions and equations.	**Mastering Numbers Week 3:** • Composition of 9. • 3-by-3 grid and the rekenrek to find all the ways that 9 can be composed. • Apply knowledge to expressions and equations.	**Mastering Numbers Week 4:** • Composition of the numbers 11-19 as '10 and a bit'. • Apply to missing addend equations.	**Mastering Numbers Week 5:** • Compare numbers within 20. • Use proportional reasoning to identify the position of numbers within 20 in the linear number system, using midpoints of 5, 10 and 15.	**Mastering Numbers Week 6:** • identify bonds of 10 on a 10-frame • record expressions for 10, identifying odd and even pairs of addends. • recap bonds of 10 • identify whether bonds of 10 are composed of odd or even numbers • complete part-part-whole diagrams in which the whole is 10. • identify bonds of 10 on their fingers • reason about bonds of 10 using a rekenrek. • reason about bonds of 10 • complete related addition and subtraction equations.	Consolidation