

THE INDEPENDENT GRAMMAR SCHOOL: DURHAM

Mathematics Curriculum Overview – Lower School (Reception–Year 4)

White Rose Maths (Version 3) • Lower School Curriculum Map

Year Group	Michaelmas 1	Michaelmas 2	Lent 1	Lent 2	Trinity 1	Trinity 2
Reception	Getting to know you; Numbers to 5; counting objects/actions/sounds; subitising to 3; representing 1, 2, 3; number bonds within 3; comparing amounts; composition of 1, 2, 3	Just like me! Numbers to 5 and number bonds; recognition 0–5; subitising to 5; fact families for 3, 4 and 5; one more/one less; comparing and composing numbers to 5; different representations	It's me 1, 2, 3! Numbers to 10; recognition 0–10; subitising to 5; counting beyond 5; number bonds within 5 and to 10; making 10; one more/one less; comparing to 10	Light & Dark – Number Bonds to 10; all-pairs number bonds; fact families; doubles to 10; near doubles; partitioning to 10; comparing numbers within 10; number patterns within 10	Alive in 5! Deepening Number Understanding to 10; secure recognition 0–10; subitising to 6; number bonds within 10; missing number problems; one more/one less to 10; comparing within 10; number stories	Growing 6, 7, 8 – Consolidate and Extend; recognition 0–20; subitising within 10; number bonds within 10; explore bonds beyond 10; one more/one less to 20; comparing within 20; games and problems
Year 1	Place value (within 10); Addition & subtraction (within 10)	Shape; Place value (within 20)	Addition & subtraction (within 20)	Place value (within 50); Length & height; Mass & volume	Multiplication & division; Fractions	Position & direction; Place value (within 100); Money; Time
Year 2	Place value (within 100); Addition & subtraction	Money; Multiplication & division	Multiplication & division; Length & height; Mass, capacity & temperature	Fractions; Time	Statistics; Position & direction	Consolidation; Problem solving
Year 3	Place value; Addition & subtraction	Multiplication & division	Multiplication & division; Length & perimeter	Fractions	Mass & capacity; Money	Time; Shape; Statistics
Year 4	Place value; Addition & subtraction	Area; Multiplication & division	Multiplication & division; Length & perimeter	Fractions; Decimals	Decimals; Money; Time	Shape; Statistics; Position & direction

Curriculum Intent

- Build strong number sense and fluency
- Develop secure number recognition
- Embed number bonds and fact families
- Encourage subitising and mental strategies
- Foster confidence and enjoyment with number
- Follow a coherent sequence aligned with White Rose Maths Version 3

Document Owner: Mathematics Lead

Implementation

- Maths is taught through daily adult-led sessions and continuous provision
- Concrete, pictorial and abstract representations are embedded
- Practical resources and number-rich environments support learning
- Key number facts are revisited and celebrated regularly
- Ongoing assessment informs next steps

Review Cycle: Annual

Impact

- Have strong number recognition and subitising skills
- Recall number bonds fluently within 10
- Use number confidently in different contexts
- Be prepared for success in Year 1 and beyond

Date: _____