# Springdale First School

*Imagine, Believe, Achieve*

## Whole School Progression – Additive Facts

| Additive Fact | Year Group Covered |
|---|---|
| Subitising | Reception / Year 1 |
| Counting (1s) | Reception |
| Counting (1s, 10s) | Year 1 / Year 2 |
| Counting (1s, 10s, 100s) | Year 3 |
| Counting (1s, 10s, 100s, 1000s) | Year 4 |
| | |
| Adding 0 | Reception |
| Adding 1 | Reception |
| Adding 2 (to 5) | Reception |
| Bonds to 10 | Reception / Year 1 / Year 2 / Year 3 |
| Doubles (to 10) | Reception / Year 1 |
| | |
| Near doubles (to 10) | Year 1 |
| Adding 2 (to 10) | Year 1 |
| Other facts (+3) | Year 1 |
| Adding 10 | Year 1 |
| | |
| Doubles (passing 10 to 20) | Year 2 / Year 3 |
| Near doubles (passing 10 to 20) | Year 2 / Year 3 |
| Bridging compensating (adding 8 and 9) | Year 2 / Year 3 / Year 4 |
| Other facts | Year 2 / Year 3 |
| Bonds to 100 (Multiples of 10) | Year 2 |
| Bonds to 100 (10s and multiples of 5) | Year 3 / Year 4 |
| Bonds to 100 (10s and multiples of 5, and 1s) | Year 4 |
| Scaling (3 + 4, 30 + 40, 0.3 + 0.4, 3/10 + 4/10 etc.) | Year 2 / Year 3 / Year 4 |

Adding 1 | Bonds to 10 | Adding 10 | Bridging/ compensating

Adding 2 | Adding 0 | Doubles | Near doubles

Y1 facts

Y2 facts

| + | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0 + 0 | 0 + 1 | 0 + 2 | 0 + 3 | 0 + 4 | 0 + 5 | 0 + 6 | 0 + 7 | 0 + 8 | 0 + 9 | 0 + 10 |
| 1 | 1 + 0 | 1 + 1 | 1 + 2 | 1 + 3 | 1 + 4 | 1 + 5 | 1 + 6 | 1 + 7 | 1 + 8 | 1 + 9 | 1 + 10 |
| 2 | 2 + 0 | 2 + 1 | 2 + 2 | 2 + 3 | 2 + 4 | 2 + 5 | 2 + 6 | 2 + 7 | 2 + 8 | 2 + 9 | 2 + 10 |
| 3 | 3 + 0 | 3 + 1 | 3 + 2 | 3 + 3 | 3 + 4 | 3 + 5 | 3 + 6 | 3 + 7 | 3 + 8 | 3 + 9 | 3 + 10 |
| 4 | 4 + 0 | 4 + 1 | 4 + 2 | 4 + 3 | 4 + 4 | 4 + 5 | 4 + 6 | 4 + 7 | 4 + 8 | 4 + 9 | 4 + 10 |
| 5 | 5 + 0 | 5 + 1 | 5 + 2 | 5 + 3 | 5 + 4 | 5 + 5 | 5 + 6 | 5 + 7 | 5 + 8 | 5 + 9 | 5 + 10 |
| 6 | 6 + 0 | 6 + 1 | 6 + 2 | 6 + 3 | 6 + 4 | 6 + 5 | 6 + 6 | 6 + 7 | 6 + 8 | 6 + 9 | 6 + 10 |
| 7 | 7 + 0 | 7 + 1 | 7 + 2 | 7 + 3 | 7 + 4 | 7 + 5 | 7 + 6 | 7 + 7 | 7 + 8 | 7 + 9 | 7 + 10 |
| 8 | 8 + 0 | 8 + 1 | 8 + 2 | 8 + 3 | 8 + 4 | 8 + 5 | 8 + 6 | 8 + 7 | 8 + 8 | 8 + 9 | 8 + 10 |
| 9 | 9 + 0 | 9 + 1 | 9 + 2 | 9 + 3 | 9 + 4 | 9 + 5 | 9 + 6 | 9 + 7 | 9 + 8 | 9 + 9 | 9 + 10 |
| 10 | 10 + 0 | 10 + 1 | 10 + 2 | 10 + 3 | 10 + 4 | 10 + 5 | 10 + 6 | 10 + 7 | 10 + 8 | 10 + 9 | 10 + 10 |

| Reception | Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 |
|---|---|---|---|---|---|---|
| **Autumn 1** | Subitising – perceptual subitising to 3 | Counting – 1:1 correspondence, cardinality | Composition: Composition of 3 and 4 | Subitising: subitising to 4; perceptual and conceptual | Comparison: focus on language and think about attributes | Revisit + review |
| **Autumn 2** | Cardinality and counting: focus on counting to 5 | Comparison: comparison by matching | Composition: concept of a 'whole' | Composition: composition of 5 | Cardinality and counting: counting beyond 5 | Revisit + review |
| **Spring 1** | Subitising; subitising amounts to 5 with numerals | Ordinality: ordering numbers to 5. Each number being 1 more than the previous. | Composition: composition of 5; missing numbers | Composition: 5 and a bit numbers. | Composition: equal and unequal groups | Revisit + review |
| **Spring 2** | Counting: ordinality of 1-5 more and 1 less within 10. | Comparison: more or less than another | Composition of 7 as 2 groups; 5 and a bit | Subitising: within 6. Doubles | Composition: odd and even | Revisit + review |
| **Summer 1** | Counting, cardinality and ordinality: counting larger amounts | Subitising: structed arrangements including 10-frame | Composition: representaitons of numbers | Composition: doubles reprentations | Comparison: comparing numbers | Revisit + review |
| **Summer 2** | Subitising and the rekenrek | Counting: when to count beyond 20 | Comparison: sense of magnitude | Pattern in number: parts and wholes, composition of numbers to 10 | Deep understanding of numbers to 10: investigating 5 | Recall of number facts: numbers within 3, 4, 5 and 19. Know double facts up to 10. |

| Year 1 | Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 |
|---|---|---|---|---|---|---|
| **Autumn 1** | Subitising and rekenrek | Composition of 5 | Composition of 6-9 as 5 and a bit | Counting, cardinality and ordinality: Ordinal number system to 10. | Odd and even numbers | Composition of 6 |
| **Autumn 2** | Composition of 8 | Comparison of a set of objects by matching | Composition of 7 | Composition of 9 | Composition of 10 | Revisit + review |
| **Spring 1** | Composition within 10, linking to part, part, whole | Composition: Use of reasoning to creating all bonds of a given number | Composition: Compare all the bonds and notice common features | Composition: Compare numbers, position on linear number system Greater than/less than | Comparison: Consolidate composition of 6-9 | Comparison: Revisit + review |
| **Spring 2** | Counting, cardinality and ordinality: Compare number tracks and number lines | Number facts and arithmetic: 1 more, 1 less in relation to odd and even. 2 more and 2 less. | Number facts and arithmetic: Composition of even numbers | Number facts and arithmetic: Composition of odd numbers | Number facts and arithmetic: +2, -2 | Revisit + review |
| **Summer 1** | Composition of 11-15 as 10 and a bit | Counting, cardinality and ordinality: Comparing numbers 11-15. | Number facts and arithmetic: + and – Aggregation | Number facts and arithmetic: Augmentation, addition expressions and equations | D Number facts and arithmetic: oubles and halves within 10. | Revisit + review |
| **Summer 2** | Retrievel practicw within 10 includign use of equations | Number facts and arithmetic: Subtraction as partitioning | Number facts and arithmetic: Re cap augmentation and link to + and – Subtraction as reduction | Number facts and arithmetic: Retrievel practice for facts within 10 | Composition: Recap numbers 11-15 and explore composition of 16-19 Compare numbers within 20. | Number facts and arithmetic: Retrieval practise for facts within 10. |

| Year 2 | Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 |
|---|---|---|---|---|---|---|
| **Autumn 1** | Subitising and the rekenrek | Composition of 5 and 10. | Composition of 6-9 as 5 and a bit. | Ordinal number system to 10. | Composition of odd and even numbers | Composition of 6. |
| **Autumn 2** | Composition of 8 | Comparison of sets of objects by matching | Composition of 7 | Composition of 9 | Composition of 10 | Revisit + review |
| **Spring 1** | Composition within 10, linking to part, part, whole | Use of reasoning to creating all bonds of a given number | Composition of 11-19 as 10 and a bit | +2, -2 to odd and even numbers within 10 and within 20 | Bonds of and within 10. Identify 3 addends which sum to 10 and find a missing third addend if the whole is 10 and 2 addends are given. | |
| **Spring 2** | 10 and a bit, linking to the linear number system. Midpoints. | Number bonds within 10 and within 20 and work within boundaries. | Doubles and halves within 20 | Near doubles (+1) | Near doubles (-1) | Revisit + review |
| **Summer 1** | Numberline to 100 – multiples of 10 | Addition across 10 | Addition across 10 | Addition across 10 (10 and a bit) | Subtraction as reduction across 10 | Subtraction as reduction across 10 |
| **Summer 2** | Subtraction as inverse of addition | Subtraction as reduction across 10 – subtraction from 10 | Practise and consolidate:<br>- Choose best strategy for calculation<br>- Part/part whole<br>- Number walls/ equations<br>- Balancing equations | | | |

| Year 3 | Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 |
|---|---|---|---|---|---|---|
| **Autumn 1** | Counting in 1s, 10s, 100s | | | Revise bonds to 10 | Revise doubles | Revise near doubles |
| **Autumn 2** | 9 + 2<br>2 + 9 | 9 + 3<br>3 + 9 | 9 + 4<br>4 + 9 | 9 + 5<br>5 + 9 | 9 + 6<br>6 + 9 | Revise |
| **Spring 1** | Counting in 1s, 10s, 100s | 9 + 7<br>7 + 9 | 9 + 8<br>8 + 9 | 5 + 6<br>6 + 5 | 7 + 6<br>6 + 7 | 7 + 8<br>8 +7 |
| **Spring 2** | Revise Spring 1 | 8 + 3<br>3 + 8 | 8 + 4<br>4 + 8 | 8 + 5<br>5 + 8 | 8 + 6<br>6 + 8 | 7 + 4<br>4 + 7 |
| **Summer 1** | Counting in 1s, 10s, 100s | 7 + 5<br>5 + 7 | Bonds to 10 scaling by x10, x100 | Revise doubles scaling by x10, x100 | Revise near doubles scaling by x10, x100 | Revise Bridging scaling by x10, x100 |
| **Summer 2** | Bonds to 10 scaling | <u>Bonds 100</u><br>95 + 5<br>5 + 95 | <u>Bonds 100</u><br>85 + 15<br>15 + 85 | <u>Bonds 100</u><br>75 + 25<br>25 + 75 | <u>Bonds 100</u><br>65 + 35<br>35 + 65 | <u>Bonds 100</u><br>45 + 55<br>55 + 45 |

| Year 4 | Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 |
|---|---|---|---|---|---|---|
| **Autumn 1** | Counting in 1s, 10s, 100s, 1000s | | | Bonds to 10 scaling by 10 | Doubles scaling by 10 | Near doubles scaling by 10 |
| **Autumn 2** | Bridging scaling by 10 | Bridging 8 scaling by 10 | Bridging 7 scaling by 10 | Revise Bonds 100 95, 85 | Revise Bonds 100 75, 65, 55 | Revise Bonds 100 (5) |
| **Spring 1** | Counting 1s, 10s, 100s, 1000s | Bonds to 100 90s + _ | Bonds to 100 80s + _ | Bonds to 100 70s + _ | Bonds to 100 60s + _ | Bonds to 100 50s + _ |
| **Spring 2** | Revise all Bonds to 100 | **Bonds to 10 scaling 1/10**<br>1/10 + 9/10 = 10/10 =1 | **Doubles (<=1) scaling by 1/10**<br>3/10 + 3/10 = 6/10 | **Near doubles (<1) scaling by 1/10**<br>3/10 + 4/10 = 7/10 | **Doubles (>1) scaling by 1/10**<br>6/10 + 6/10 = 12/10= 1 2/10 | **Near doubles (>1) scaling by 1/10**<br>5/10 + 6/10 = 11/10 = 1 1/10 |
| **Summer 1** | Counting in 1s, 10s, 100s, 1000s | Bonds to 10 scaling by 10 and 100 | Doubles scaling by 10 and 100 | Near doubles scaling by 10 and 100 | Bridging 10 scaling by 10 and 100 | All Bonds to 100 |
| **Summer 2** | Selected revision based on needs and gaps | | | | | |