



The Impact in Learning **Snakes, Ladders and Smiley Faces Maths Programme** is our most popular numeracy package, responsible for raising attainment quickly and effectively for key stage 1 and Lower Key Stage 2 Children.

The programme uses current National Curriculum models and images to take pupils through the journey of addition and subtraction and to move them on rapidly from their starting point on that journey.

Adult supporters are taken through the current methods in a one-hour workshop, which culminates in them playing a game of Snakes and Ladders with their child, employing all the skills and resources they have used in the session to answer carefully-selected maths questions during the game.

The programme materials cover curriculum targets for Year 1, 2, 3 and 4 pupils. The contents for each package are detailed on the following page.

The Snakes Ladders and Smiley Faces key stage 1 Programme covers;

In Year 1:

- Count to and across 100 forwards and backwards from any given number.
- Count read and write numbers to 100.
- Count in multiples of 2s, 5s and 10s.
- Identify one more, one less than a given number.
- Identify and represent numbers using objects and pictures (incl. number line).
- Recognise the place value of each digit (ones and tens).
- Add and subtract one digit and 2 digit numbers to 20, including zero.
- Read write and interpret mathematical statements – including (+) (-) (=).
- Solve one step problems in addition and subtraction.

In Year 2:

- Read and write numbers to at least 100 in numbers and words.
- Recognise the place value of each digit in two-digit number.
- Count in steps of 2,3 and 5 from 0, and in tens from any given number.
- Compare and order numbers from 0 up to 100; use $<$ and $>$ signs.
- Identify, represent... numbers including the number line.
- Recall addition and subtraction facts to 20 fluently.
- Use place value and number facts to solve problems.
- Add and subtract: 2 digits and ones; 2 digits and tens; two 2-digit numbers, adding 3-digit numbers.
- Solve problems with addition and subtraction.

The Snakes Ladders and Smiley Faces Lower Key Stage 2 Programme covers;

In Year 3:

- Compare and order numbers up to 1000.
- Count on from 0 in multiples of 4,8,50 and 100.
- Find 10 or 100 more than/less than a given number.
- Recognise place value in a 3-digit number.
- Identity, represent... numbers including the number line.
- Add and subtract mentally: 3 digits and ones; 3 digits and tens; 3 digits and hundreds.
- Add and subtract numbers (up to 3 digits) using formal written methods (columnar + and -).
- Estimate answers and use the inverse to check.
- Solve problems with addition and subtraction.

In Year 4:

- Count on from 0 in multiples of 6,7,9,25 and 1000.
- Find 1000 more or less than a given number.
- Order and compare numbers beyond 1000. Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens and ones).
- Count backwards through zero to include negative numbers.
- Read and write numbers up to 1000 in numerals and in words.
- Solve number and practical problems that involve all of the above with increasingly large positive numbers.