



The Sunrise Academy- Maths

Addition and subtraction

Multiplication and division

- Place value
- Adding and subtracting whole numbers
- Estimating
- Multiples

Fractions, mass and capacity

- Understand numerators and denominators
- Compare and order fractions
- Measure and compare mass, capacity and volume
- Use scales

Time, shape and statistics

- Tell the time to a minute
- Read digital and analogue clocks
- Understand the length of time
- Compare and draw angles#
- Recognise and describe 2-D and 3-D shapes
- Draw and interpret a range of data and graphs

KS2
Year A

Autumn 1

Autumn 2

Spring 1

Spring 2

Summer
1

Summer
2

Place value, addition and subtraction

- Read, write, order and compare numbers up to 100
- Partitioning
- Representing numbers up to 1000
- Adding and subtracting whole numbers

Multiplication and division, length and perimeter

- Inverse
- Partitioning
- Measure and interpret cm and mm
- Compare lengths

Fractions and money and time

- Add fractions
- Partition whole numbers
- Unit and non-unit fractions
- Pounds and pence
- Finding change



The Sunrise Academy- Maths



Measurement, multiplication and division

- What is area?
- Counting squares
- Comparing areas
- Multiplication and division up to the 12 times table
- Inverse

Fractions and decimals

- Understand numerators and denominators
- Compare and order standard, improper and mixed fractions
- Adding and subtracting two or more fractions
- Tenths and hundredths as fraction and decimals
- Dividing 1- or 2-digit numbers by 100

Shape, statistics and position and direction

- Understand and identify angles in 2D shapes
- Recognise lines of symmetry
- Interpret and compare data in charts and line graphs
- Understand and be able to use coordinates to describe and draw.

KS2
Year B

Autumn 1

Autumn 2

Spring 1

Spring 2

Summer 1

Summer 2

Place value and addition and subtraction

- Read, write, order and compare numbers up to 1000
- Partitioning
- Representing numbers up to 10,000
- Rounding
- Adding and subtracting with and without exchange

Multiplication and division, length and perimeter

- Factors
- Formal and informal methods of calculation
- Dividing 2- and 3-digit numbers by a 1-digit number
- Measure in KM and M
- Perimeter of rectangles and rectilinear shapes

Decimals, money and time

- Making a whole with tenths and hundredths
- Write money using decimals
- Convert between pounds and pence
- Compare, estimate and calculate with money
- Understand and compare between; years, months, weeks and days and hours, minutes and seconds
- Convert between analogue and digital times



The Sunrise Academy- Maths

Unit 1- Properties of numbers

- Place value
- Stepped counting
- Rounding
- Odd and even

Unit 2-The four operations

- Adding whole numbers
- Subtracting whole numbers

Unit 2-The four operations

- Multiply and divide decimals

Year
7

Summer 1

Summer 2

Autumn 1

Autumn 2

Spring 1

Spring 2

Unit 1- Properties of numbers

- Count up to 20
- Read, write, order and compare numbers up to 20
- Read, write, order and compare numbers up to 100

Unit 1- Properties of numbers

- Read, write, order and compare numbers up to 1000
- More and less than
- Multiples

Unit 2-The four operations

- Multiply whole numbers
- Divide whole numbers



The Sunrise Academy- Maths



Unit 3 - Ratio

- Fraction sequences
- Equivalence
- Fractions up to one tenth

Unit 4 - Money

- Recognise coins and notes
- Make up a given amount

Unit 4 - Money

- Make a given amount using notes and coins
- Working out the total cost of items and how much change.

Year
8

Summer 1

Summer 2

Autumn 1

Autumn 2

Spring 1

Spring 2

Unit 3 - Ratio

- Understand equality
- One half
- One third
- One quarter

Unit 3 - Ratio

- Fractions of a given amount
- Add and subtract fractions with the same denominator

Unit 4 - Money

- Purchasing power of money
- Convert pence to pounds
- Convert pounds to pence



The Sunrise Academy- Maths



Unit 5 – The calendar and time

- Seasons and months
- Understand seconds, minutes, hours, days and months.
- Convert digital to analogue

Unit 6 - Measures

- Compare lengths, heights, weights and capacities
- Describe capacity in fractions
- Chose an appropriate unit of measure

Unit 6 - Measures

- Estimate different units of measure
- Measure perimeter
- Read units of measure from instruments

Year
9

Summer 1

Summer 2

Autumn 1

Autumn 2

Spring 1

Spring 2

Unit 5 – The calendar and time

- Days of the week
- Tell time to the hour and half hour
- Order familiar events

Unit 5 – The calendar and time

- Tell the time to a minute
- Difference between two times
- Solve problems involving time

Unit 6 - Measures

- Order different units of measure
- Units of measure in life
- Use a ruler to measure and draw



The Sunrise Academy- Maths



Unit 7 – Geometry

- Recognise a right angled triangle
- Recognise different 3D shapes
- Understand straight and curved
- Understand sides, faces, edges and vertices

Unit 8 - Statistics

- Sort and classify things by a certain criterion
- Draw conclusions from different data sources

Unit 8 - Statistics

- Interpret tables, diagrams, lists and graphs

Year
10

Summer 1

Summer 2

Autumn 1

Autumn 2

Spring 1

Spring 2

Unit 7 – Geometry

- Recognise squares, rectangles, circles, triangles and cubes
- Left and right, above and below
- Identify shapes with up to 10 sides

Unit 7 – Geometry

- Understand angles as a measure of a turn
- Understand symmetry, parallel, horizontal and vertical
- Understand north, south, east, west and coordinates

Unit 8 - Statistics

- Construct different types of graphs
- Understand tally and frequency charts
- Understand pictograms



The Sunrise Academy- Maths

