



The Mathematics Curriculum Journey



“Maths at Alkerden: developing deep understanding, confidence and resilience for all.”

Match, Sort and Compare

It's Me 1, 2, 3

Alive in 5

Building 9 and 10

To 20 and Beyond

Sharing and Grouping

What happens when we change how we match or sort things?

How can we represent what we know about 1, 2 and 3?

What do numbers to 5 look like?

How do we know a group has 9 or 10?

How many different ways can you represent 10?

How can we use grouping to help us count?

How can we compare groups and explain what we notice?

International STEM Day

Assessment

How can we compare numbers and groups up to 5?

How can we use what we know about 5 to help us understand 9 and 10?

National Numeracy Day

How can we share objects equally?

Assessment

How do we know a group has 1, 2 or 3 objects?

Assessment

How can we compare numbers and groups up to 10?

How can we make numbers beyond 10 in different ways?

How can we make numbers beyond 10 in different ways?

How does knowing 10 help us understand numbers to 20?

What do you notice about your groups?

Assessment

How can we match numbers to the right group?

How can we make numbers to 5 in different ways?

NSPCC Number Day

How can we make 9 and 10 in different ways?

Assessment

Assessment

How do we know how many are in a group up to 20?

What happens when we cannot share something equally? What could we do with the extra?

Assessment

How can we explain our thinking when we match, sort or compare?

How can we sort groups using 1, 2 and 3?

How can we match numbers to the correct representation?

International Day of Mathematics

Key subject skills this term:

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Key subject skills this term:

Key subject skills this term:

Property Matching Reasoning
Picture Matching Sorting

Numeral Recognition Counting
Subitising Cardinality

Representation Subitising
Matching Part-whole

Number Bonds Composition
Representation Accuracy Checking

Numeral Ordering Counting Accuracy
Representation Place Value

Vocabulary Pattern Recognition
Equal Grouping Explanations

KI Kind

CO Collaborators

CM Communicators

TH Thinkers

SA Self-aware

GA Globally aware

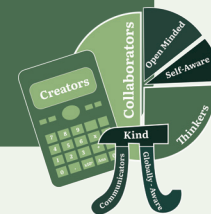
CR Creators

OM Open minded

Year R



The Mathematics Curriculum Journey



“Maths at Alkerden: developing deep understanding, confidence and resilience for all.”

Number: Place Value

How can we compare and order numbers? How do we know which is bigger?

Number: + and - within 10 | Geometry: Shape

How are addition and subtraction connected?

International STEM Day

Number: Place Value within 20 | Number: + and - within 20

How can we build and partition numbers to 20?

What is this number showing?
NSPCC Number Day

Number: Place Value within 50 | Measurement: Length, Height, Mass and Volume

What do numbers to 50 represent?

How do you know which is greater?

Number: x and ÷ | Number: Fractions | Geometry: Position and Direction

How can we split shapes and quantities into equal parts?

How can we describe where things are and how they move?
National Numeracy Day

Number: Place Value within 100 | Measurement: Money and Time

How can we build, compare and order numbers to 100?

What is this number showing?

How can we measure and describe time in our daily lives?

How do tens and ones help us understand numbers?

Assessment

Assessment

Assessment

Assessment

Assessment

Assessment

What is this number showing?

How can we combine and take away numbers in different ways?

How can we solve problems and explain our thinking?

What makes this shape special?

How can we add and subtract within 20 using what we know?

How are numbers and calculations connected? What do you notice?

How can we build, count and compare numbers to 50?
International Day of Mathematics

How can we measure it accurately?

How can we make and use equal groups?

How are grouping, sharing and fractions connected?

How can we use money to solve real-life problems?

How can we build and represent numbers in different ways? Can you show me a different way?

Key subject skills this term:

Part-Whole
Place Value
Number Ordering
Number Lines

Key subject skills this term:

Number Sentences
Inverse Operations
Problem Solving
Shape Properties

Key subject skills this term:

Number Comparison
Mental Strategies
Counting
Calculation

Key subject skills this term:

Skip Counting
Number Comparison
Measurement
Vocabulary

Key subject skills this term:

Multiplication
Equal Sharing
Fractions
Turns

Key subject skills this term:

Counting to 100
Skip Counting
Money
Time

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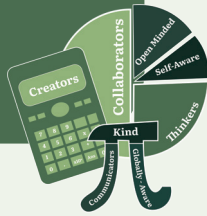
CR Creators

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Year 1



The Mathematics Curriculum Journey



“Maths at Alkerden: developing deep understanding, confidence and resilience for all.”

Number: Place Value Number: + and -

Number: + and - Geometry: Shape

Measurement: Money Number: x and ÷

Measurement: Length, Height, Mass, Capacity and Temperature

Number: Fractions Measurements: Time

Statistics Geometry: Position and Direction

What strategy did you use?

How can we solve addition and subtraction problems efficiently?

Is there another way to make this amount?

How can we make our measurement more accurate?

How can we find and represent fractions of shapes and amounts?

What information can we collect and how can we represent it?

How can we represent and manipulate numbers in different ways?

International STEM Day

Assessment

How can we explain and prove our solutions?

How can we measure and compare capacity?

National Numeracy Day

How can we measure and describe time in our daily lives?

How can you make your instructions clearer?

Assessment

How are addition and subtraction related and how can this help us?

Assessment

How can we measure and describe temperature in our world?

How can we use what we know about fractions and time to solve problems?

Why is it important to give and follow accurate directions?

How do the digits in a number tell us its value?

How can we explain, prove and improve our answers?

How can we use grouping and sharing to solve problems?

How do you know which is heavier?

Assessment

Assessment

How can we describe position and movement accurately?

How are subtraction and addition connected?

How can we describe, compare and classify shapes using their properties?

NSPCC Number Day

How are multiplication and division connected?

International Day of Mathematics

How do we know if a whole has been split into equal parts?

Assessment

Key subject skills this term:

Number Recognition
Skip Counting

Place Value
Calculation

Key subject skills this term:

Mental Calculation
Inverse Operations

Shape Properties
Partitioning

Key subject skills this term:

Multiplication Facts
Problem Solving

Money
Division

Key subject skills this term:

Temperature
Capacity

Length
Mass

Key subject skills this term:

Problem Solving
Equal Parts

Fractions
Time

Key subject skills this term:

Directional Language
Data Interpretation

Data Handling
Comparison

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Year 2