

## Block Map

25 Learning Blocks, aligned with national board guidelines and research-based international standards,



Block 1

### 5-Digit Numbers

Strand: Numbers

Students will understand that a 5-digit number represents 10,000s in the place value table and is called ten thousand.



Block 7

### 3-D Shapes as 2-D Shapes

Strand: Geometry

Students will understand that 3-D shapes can be represented as 2-D shapes in different ways.

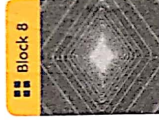


Block 2

### Comparing 5-Digit Numbers

Strand: Numbers

Students will understand that numbers can be compared and arranged in an order using the places of their digits.



Block 8

### Lines

Strand: Geometry

Students will understand that points, lines, rays, and line segments are important elements, and that we can measure and draw line segments using a ruler.



Block 3

### Adding 4-Digit Numbers

Strand: Operations

Students will understand that we use the column method to add ones, tens, hundreds, and thousands.



Block 9

### Circles

Strand: Geometry

Students will understand that a circle is made by drawing a curve that is at the same distance from a center point all the way around.



Block 4

### Subtracting 4-Digits from 4-Digits

Strand: Operations

Students will understand that the column method can be used to subtract 4-digit numbers as 10 thousands, hundreds, tens, and ones are subtracted from each other.



Block 10

### Patterns

Strand: Patterns and Relationships

Students will understand that patterns show repetition and have a predictable sequence. They can help create designs, codes, or solve maths problems.



Block 5

### Multiples

Strand: Operations

Students will understand that multiples are numbers we get on multiplying a number by the original number.

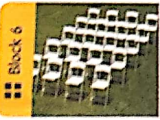


Block 11

### Multiplying Using the Box Model

Strand: Operations

Students will understand that we can regard 2-digit and 3-digit numbers to multiply by using the box model.

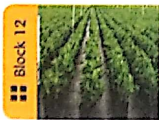


Block 6

### Factors

Strand: Operations

Students will understand that the factors of a number are the numbers that we multiply to get that number.



Block 12

### Multiplying Using the Column Method

Strand: Operations

Students will understand that we can use the column method to multiply two numbers.



Block 13

### Dividing by 1-Digit Numbers

Strand: Operations

Students will understand that we can divide 2-digit numbers and 3-digit numbers by 1-digit numbers using long division.



Block 20

### Equivalent Fractions

Strand: Number Parts

Students will understand that equivalent fractions are of the same size, and that numerators and denominators are multiples of a common factor.



Block 14

### Dividing by 2-Digit Numbers

Strand: Operations

Students will understand that we can divide bigger numbers by 2-digit numbers using long division.



Block 21

### Like Fractions: Adding & Subtracting

Strand: Number Parts

Students will understand that we can add and subtract the numerators of fractions that have the same denominator.



Block 15

### Length

Strand: Measurement

Students will understand that centimeter, millimeter, and kilometer are standard units of length and can be converted from one unit to another as 1 km = 1000 m and 1 m = 100 cm.



Block 22

### Time on a Clock (To the Minute)

Strand: Measurement

Students will understand that time can be measured to the minute, which helps us to schedule things happening in a day.



Block 16

### Perimeter

Strand: Measurement

Students will understand that the perimeter of a shape is the measure of the length around the shape.



Block 23

### Elapsed Time

Strand: Measurement

Students will understand that we can add and subtract time to find out the duration of an event or when it started or ended.



Block 17

### Introduction to Area

Strand: Measurement

Students will understand that area measures the size of a surface and that square units can be used to measure and compare areas.



Block 24

### Money

Strand: Measurement

Students will understand that we can pay by adding, subtracting, multiplying, and dividing to calculate costs.



Block 18

### Weight and Capacity Conversions

Strand: Measurement

Students will understand that we can convert between different units of measurement.



Block 25

### Graphs and Charts

Strand: Data Handling

Students will understand that data can be represented using bar graphs and circle charts.



Block 19

### Representing Fractions

Strand: Number Parts

Students will understand that fractions show parts of wholes, or a collection.