## **1st Class *Maths and Me* Equipment Overview**

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| **Unit 1:****Numbers to 30** | Jar or can 1. 1c coins/marbles or any small object that will make noise when dropped into a jar or can
2. An object to hide (e.g. a soft toy dog or cat)
3. Counting aids: counters, 1c coins, interlocking cubes
4. Scissors
5. 1—6 spinners
6. Blank number paths with 10 steps
7. Counters
8. Ten frames
9. Branching bond templates
10. Number shapes
11. Interlocking cubes
12. Links
13. Place value arrow cards
14. Rekenreks
15. Base ten blocks
16. Number lines

Coins (1c, 2c and 5c) Cubes Beads Lollipop sticks Sorting circles PCMs 3, 4, 5 |
| **Unit 2:****Addition and Subtraction 1** | Interlocking cubes, counters, ten frames, number shapes, base ten blocks, links, number rods 1. Colouring pencils in two colours
2. jar or can
3. Coins (including 1c coins)
4. Counters in two colours

Sorting circlesPlaying cardsMatchsticks 1—6 spinners0—9 spinnersPlace value arrow cards1. Classroom resources such as counters, rekenreks, coins, dominoes and dice

Number shapes, coins, matchsticks, number lines, shapes 1. PCMs 4, 8, 10, 11
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| **Unit 3:****Fractions** | 1. 1—6 spinners
2. Book: *The Doorbell Rang* by Pat Hutchins
3. Classroom resources such as counters, beads, marbles
4. Teddies and dolls (to make up numbers in groups)
5. Odds and ends of wool
6. Glue sticks
7. Scissors
8. Straws
9. 2-D shapes
10. Pegboards
11. Geoboards
12. Paper
13. 2-D shapes for tracing
14. Classroom resources such as counters, interlocking cubes, bears, branching bond, number lines, ten frames, cubes, number shapes and rekenreks
15. 0—9 spinners
16. Ten frames
17. 1c, 2c, 5c and 10c coins
18. Counting collections of 1 to 20 items
19. PCMs 1, 8, 12, 14, 15
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| **Unit 4:****Data 1** | 1. Lollipop sticks
2. Jar or can
3. 1c, 2c and 5c coins
4. Photo of a compost bottle
5. Photo of a bug hotel
6. Paper with child’s drawing and/or writing on both sides
7. Bags
8. Interlocking cubes or counters
9. PCMs 16, 17, 18
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| **Unit 5: Time 1** | 1. A variety of calendar types
2. Teaching clocks, preferably geared (i.e. hour hand moves when minute hand moves)
3. Analogue watch/clock with a second hand
4. Online clocks
5. Variety of timers, such as sand timer, kitchen timer, digital stopwatch and timer on smartphone
6. Circular pieces of paper
7. PCMs 20, 21, 22, 25
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| **Unit 6: Shapes** | 1. Sets of 2-D and 3-D shapes (at least one of each type): circle, semi-circle, triangle, square, rectangle, oval, cube, cuboid, sphere, cylinder, cone
2. Real-life example 3-D shapes such as dice, Rubik’s cube, beads and balls
3. 3-D shapes in different sizes and colours: cube, cuboid, sphere, cylinder, cone
4. Sorting circles or containers for sorting
5. Pattern blocks (as many different 3-D shapes as possible)
6. Tangrams
7. Counters
8. 0–9 spinners
9. 1–6 spinners
10. Rulers
11. Opaque bag
12. PCMs 26, 27, 28
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| **Unit 7:**  **Numbers to 100** | 1. Classroom resources for counting, such as jigsaw puzzle pieces, marbles, buttons, elastic bands, paper drinking straws, lollipop sticks, metal washers, craft supplies (e.g. pipe cleaners, small pompoms, beads, art sequins, wiggly eyes), pieces of pasta, paper clips and paper fasteners
2. Any available physical resources for representing numbers up to 100, including: ten frames and counters, lollipop/bundling sticks, interlocking cubes, links, number shapes, number rods, rekenreks, base ten blocks
3. Counting aids such as 100 Squares and Number lines
4. Empty container per group
5. Open number lines
6. Place value arrow cards
7. Dice
8. 0–9 spinners
9. Selection of toy catalogues, brochures and flyers
10. Various other print materials, such as newspapers and magazines
11. Children’s own books
12. PCMs 5, 31
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| **Unit 8:**  **Addition and Subtraction 2** | 1. Classroom resources such as cubes, rekenreks and number shapes
2. Number lines
3. Ten frames
4. Counters
5. Interlocking cubes
6. Place value arrow cards
7. 100 Squares
8. Base ten blocks and other base ten resources
9. Number stacks (to 20)
10. 0–9 spinners
11. 1c, 2c, 5c and 10c coins
12. €10 notes
13. PCMs 5, 8, 9, 33, 34, 35
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| **Unit 9:**  **Location and Transformation** | 1. Small-world figures (e.g. farm animals)
2. Other figures or blocks to represent houses, etc.
3. Pictures of *Maths and Me* characters
4. Classroom Maps
5. 2-D geometric shapes
6. Pentominoes
7. Toothpicks
8. Straws
9. Pattern blocks
10. Peg boards
11. Small safety mirrors
12. Coins
13. Playing cards
14. Book: *Tom Crean: The Brave Explorer* by John and Fatti Burke
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| **Unit 10:**  **Measuring 1** | 1. Children’s own pencils and lunchboxes
2. Objects that could be used to measure longer objects, such as bamboo gardening canes, long poster tubes, long toner boxes from a photocopier, PE equipment (e.g. hurdles, uni-hoc sticks, obstacle ladders), large sheets of paper cut into strips, mop/brush handles
3. Metre rulers, metre long measuring tapes, other items that are exactly 1 metre in length
4. Multiple identical objects from the classroom (e.g. twisty colouring pencils, lollipop sticks, interlocking cubes, links, same type of book or copy)
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| **Unit 11:**  **Patterns** | 1. Pattern tiles and other classroom manipulatives
2. Any classroom equipment which could be used to create patterns such as interlocking cubes, shapes, counters and beads, 100 Squares and number tiles
3. 1c, 2c, and 5c coins
4. Counting aids such as number lines, base ten blocks, interlocking cubes, dice, dominoes, playing cards, spinners and abacus
5. 2-D and 3-D shapes in a variety of colours, size and thickness
6. Peg boards
7. 100 squares
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| **Unit 12:**  **Addition and Subtraction 3** | 1. Base ten blocks
2. 100 squares
3. Groupable base ten materials
4. Classroom resources such as counters, beads, shapes
5. Ten Frames
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| **Unit 13:**  **Measuring 2** | 1. School bags
2. Clothes hanger balance (i.e. wooden clothes hanger and two identical bags with handles), per group
3. Commercial balances
4. Various objects to weigh and to use as non-standard units
5. Items that are 1 kg in weight, e.g. sugar, flour, pasta
6. Water tray/tough tray
7. Various types of containers, of different sizes and capacities, including containers of different shapes but the same capacity, e.g. plastic cups, bottles, bowls, jugs, syringes, small medicine measuring cups
8. Materials to pour into containers, e.g. water, sand, rice, cereal hoops
9. Multiple cups of uniform size and shape
10. Scoops
11. Funnels
12. Two toy cars and ramp per group
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| **Unit 14:**  **Time 2** | 1. Teaching clocks, preferably geared (i.e. hour hand moves when minute hand moves)
2. Online clocks
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| **Unit 15:**  **Money** | 1. Coins (1c to €2)
2. Play money (coins and notes)
3. A can/jar (must make noise when coins are dropped into it)
4. A pot to hold coins (for each pair)
5. Small pieces of card/paper for price tags
6. Purses (children could bring in their own) or small bags/pots
7. Counting aids such as number paths, 100 squares, rekenreks, counters
8. Large signs showing <, > and = symbols and the corresponding words: ‘more’, ‘less’ or ‘equal’.
9. 9-sided dice
10. Materials for class market stalls
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| **Unit 16:**  **Data 2** | 1. Counting collections such as coins, bears, counters, beads, shapes, pasta shapes, buttons
2. Interlocking cubes (in three different colours)
3. Large (A3) card or paper for each pair
4. Glue sticks
5. Sorting circles
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| **Unit 17:**  **Measuring 3** | 1. Children’s own lunchboxes
2. Any available resources of various sizes, e.g. paper plates, library books, textbooks, copies, pieces of paper/cardboard, lids (jars, bottles, boxes, tubs, etc), boxes, 2-D shapes, pattern blocks, tangram pieces, envelopes
3. Squares (e.g. square tiles\*, squares from pattern blocks, tangram pieces, interlocking cubes, base ten ones (cubes) and hundreds (flats), square sticky notes, 2-D shapes (e.g. dominoes, jar lids, paper of various shapes and sizes)
4. *\* Square foam/plastic tiles from an educational supplier are ideal for measuring area in square units.*
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| **Unit 18:**  **Number Sentences** | 1. Classroom manipulatives, e.g. counters, bears (in different colours/sizes)
2. Ten frames
3. Rekenreks
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| **Unit 19:**  **Addition and Subtraction 4** | Classroom manipulatives, e.g. interlocking cubes, counters, beads, shapes, coinsTen framesTens and ones gridGroupable base ten materialsBase Ten Blocks  |