

Dr Paul Swan is an award-winning author, highly sought-after speaker and experienced designer of maths games, programs and resources. His resources are designed to support teachers with teaching key maths concepts in an interesting and engaging way.

He is also an honorary fellow of the Australian College of Educational Leadership and a long-time member of the Mathematical Association.

Dr Paul Swan has taught in primary, secondary and tertiary settings and is now a consultant to local, national and international schools. He designs easy-to-use mathematics and support materials for maths teachers around the world.

A major project recently undertaken by Dr Paul Swan is the development of Bond Blocks which he has co-written with Narelle Rice.

Bond blocks is a comprehensive system for teaching the basics of addition and subtraction facts. It is both a mental maths and intervention support system.

Abacus Educational Suppliers proudly distributes a wide range of Dr Paul Swan resources including:

- Over 100 publications
- Educational games
- Bond Blocks

For the complete range of Dr Paul Swan resources, please visit

[\*\*abacused.com.au\*\*](http://abacused.com.au)

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## TEACHING WITH TEN FRAMES DPS1030



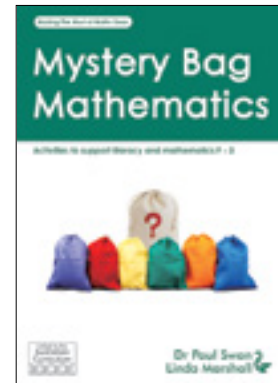
Make the most of the Ten Frame as a teaching tool. Ten Frames are the ideal tool for supporting children to learn basic number concepts.

## MAKE IT COUNT DPS1027



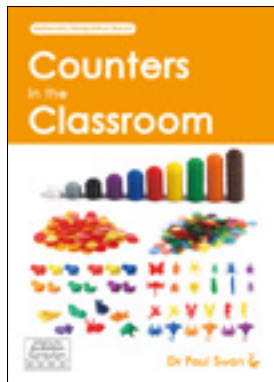
This book is a must for early childhood teachers up to Year 2. Includes colour A3 games featured in the book.

## MYSTERY BAG MATHEMATICS DPS1034



Ties fantastically into mathematics literacy learning as students place their hand into the bag and practise describing what they draw out.

## COUNTERS IN THE CLASSROOM DPS1016



This book is designed to help make the most of the diverse range of counters found in classrooms.

## TOYING WITH TANGRAMS DPS1056



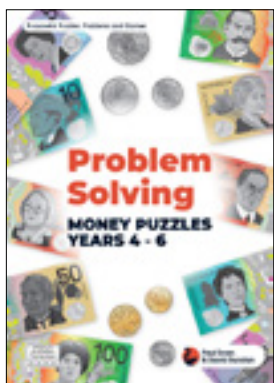
This book is designed to help teachers explore the full potential of tangrams as a teaching tool.

## PATTERN BLOCKS DPS1037



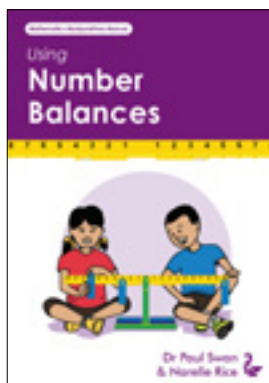
Pattern blocks can be used to develop concepts such as symmetry, fractions, area and a host of other mathematical ideas.

## PROBLEM SOLVING MONEY PUZZLE DPS1044



Problem solving book with a series of problems dealing with money and change.

## NUMBER BALANCES DPS1057



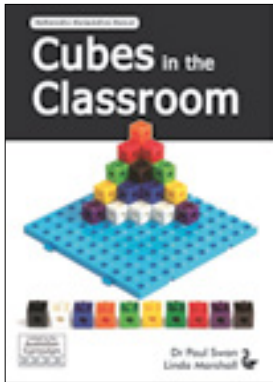
The Number Balance may be used to develop a conceptual understanding of the four operations;  $+$ ,  $-$ ,  $\times$  and  $\div$ .

## STEM IDEAS WITH RAINBOW PEBBLES DPS1049



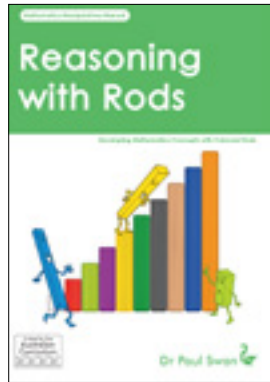
Resource that supports the development of fine motor skills, counting, sorting and shape recognition.

## CUBES IN THE CLASSROOM DPS1017



How to use connecting cubes, from early years construction to algebraic thinking and problem solving in upper primary.

## REASONING WITH RODS DPS1046



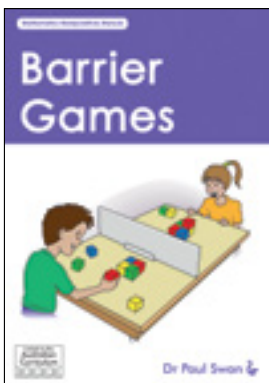
Sections of the book include number, algebra, the development of fraction concepts and tasks that make you think or reason about mathematics.

## BASE TEN BLOCKS DPS1002



How to get the most out of using Base Ten Blocks, starting with Bundling Sticks, progressing through trading and calculating.

## BARRIER GAMES DPS1001



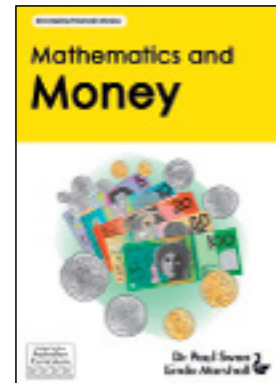
This book links the mathematics concepts and vocabulary required to play specific barrier games.

## GEOBOARD GEMS DPS1025



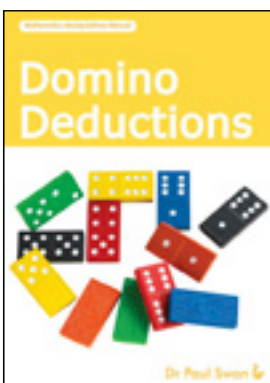
Explore the common mathematical concepts with Geoboards such as shape, location, transformation and perimeter.

## MATHEMATICS AND MONEY DPS1028



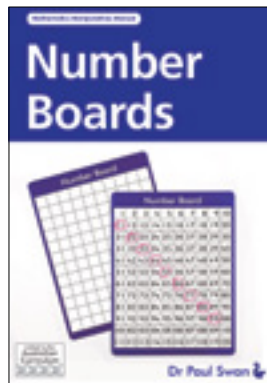
Combine the ideas contained in this book with collections of coins, notes and other money related materials to develop financial literacy.

## DOMINO DEDUCTIONS DPS1023



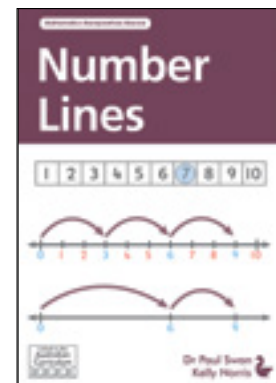
Use dominoes to achieve outcomes. Includes ideas, reproducible pages, background material and answers.

## NUMBER BOARDS DPS1036



Students begin in the early years by matching numbers on the board, identifying numbers that are before, after and between other numbers.

## NUMBER LINES DPS1035



This book is designed to help teachers make the most of number lines and tracks to support students learning basic number concepts.

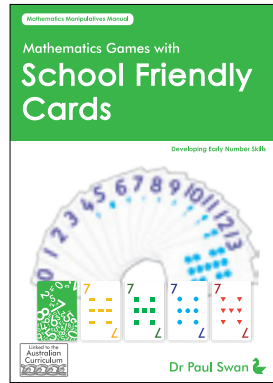
## Teaching Maths with Playing Cards

### CARD CAPERS DPS1006



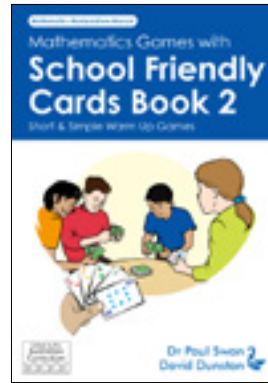
Topics covered include number, space and probability, with a strong emphasis on mental computation and problem solving throughout.

### SCHOOL FRIENDLY CARDS DPS1047



This book has been designed to help young children learn key early number concepts while playing simple card games.

### SCHOOL FRIENDLY CARDS - BOOK 2 DPS1048



The games in this book have been chosen because they are simple to set up and play. This makes them ideal for use as "warm ups".

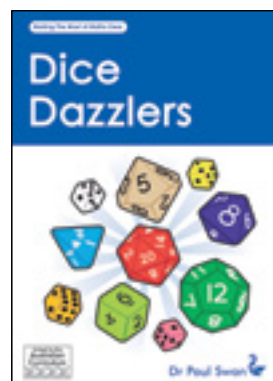
### TACKLING TABLES - 2<sup>nd</sup> EDITION DPS1050



This book provides one of the most comprehensive explanations on how to 'teach' tables. A must for every middle and upper primary teacher.

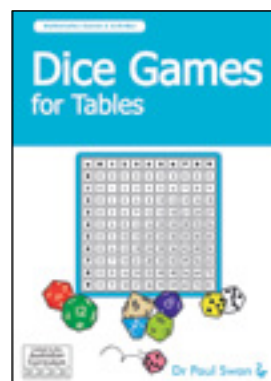
## Teaching Maths with Dice

### DICE DAZZLERS DPS1019



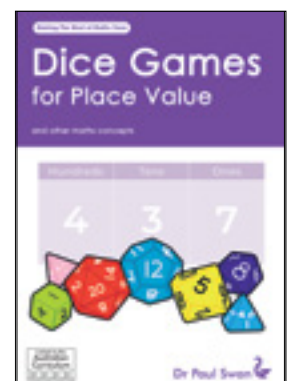
Games focus on number recognition and ordering, place value, arithmetic, operations, multiplication facts, square and prime numbers and more.

### DICE GAMES FOR TABLES DPS1022



Filled with games and ideas for helping children to learn the basic multiplication facts.

### DICE GAMES FOR PLACE VALUE DPS1021



Packed full of great ideas for developing the concept of place value. Plus ideas such as rounding, percentages, multiples and pattern.

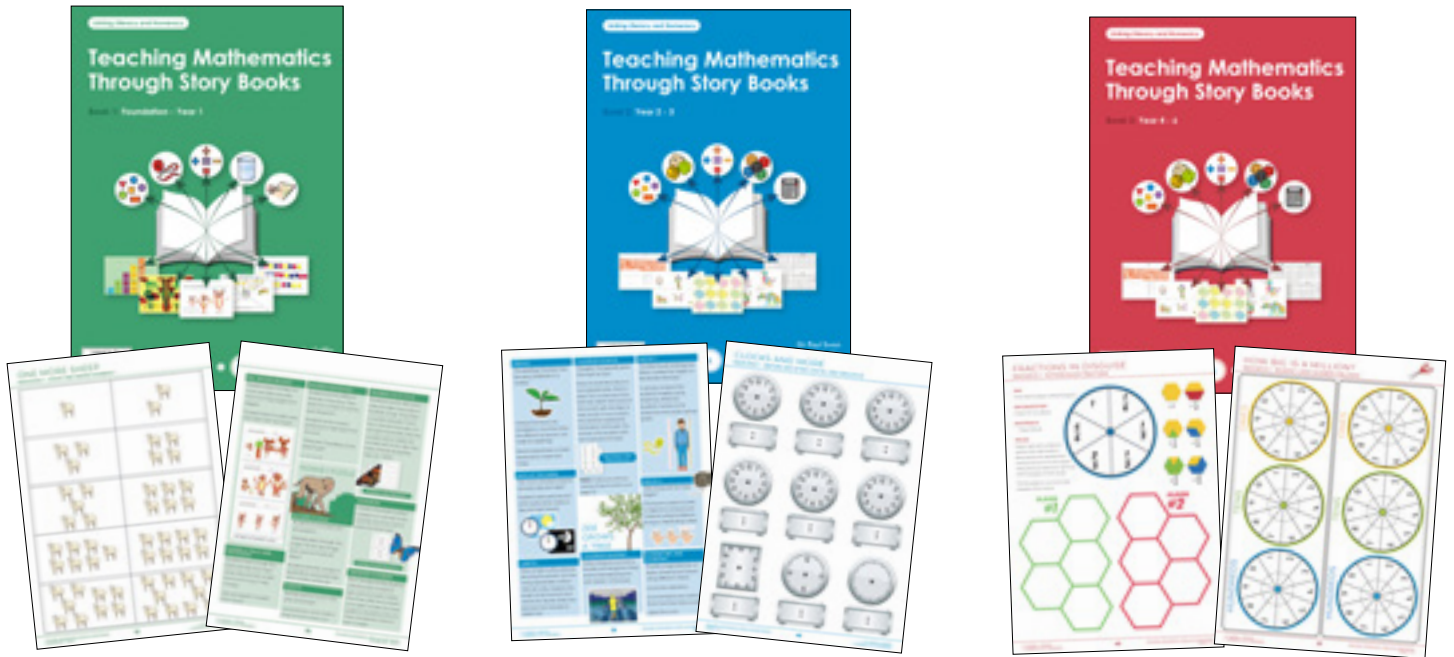
## Teaching Maths through Story Books

**BOOK 1 (F-Y1)**  
DPS1051

**BOOK 2 (Y2-Y3)**  
DPS1052

**BOOK 3 (Y4-Y6)**  
DPS1053

Children's story books are a fantastic tool in every early childhood teacher's toolbox. Teaching Mathematics through Story Books include copiable resources to make using activities a breeze. Each story book is given multiple mathematical activity options.



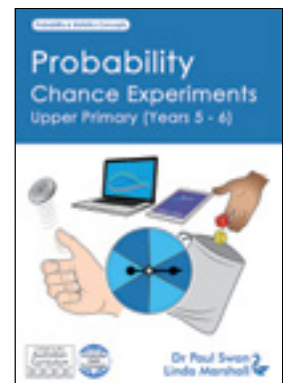
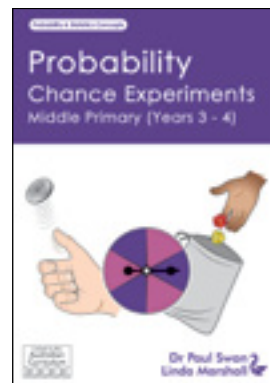
### Time

### Probability

**TIME MATTERS 1:**  
**FOUNDATION TO YR3**  
1P041

**TIME MATTERS 2:**  
**YR 4 TO YR 6**  
1P042

**PROBABILITY CHANCE EXPERIMENTS**  
**MIDDLE PRIMARY UPPER PRIMARY**  
DPS1042 DPS1043



Teachers are given the background knowledge and support required to help students understand complex time concepts such as time zones, elapsed time, time lines and the role of time in everyday life such as the reading and interpretation of timetables.

The experiments at the start of each book are designed for collecting data, drawing up a table, making predictions and performing trials. As the book progresses the experiments become more involved and students have to design their own tables and decide about how to carry out the experiments.

## Check The Clues

### CHECK THE CLUES

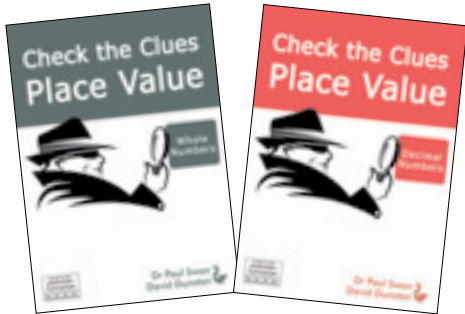
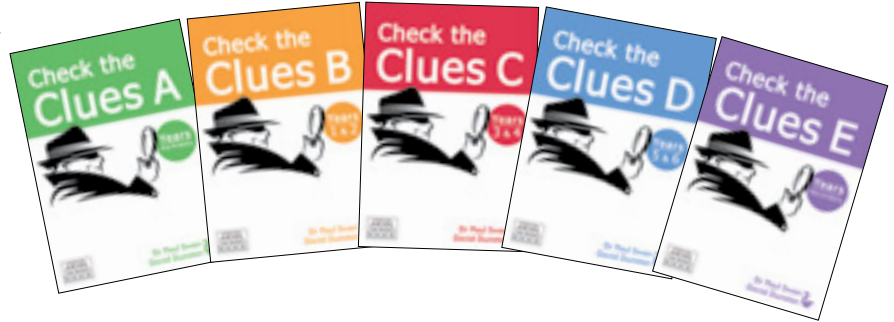
By Dr Paul Swan & David Dunstan

- Read the clues to the group
- Work together to devise the plan
- Solve the problem
- Check the clues to verify the answer

**DPS1008** Pre-Primary  
**DPS1009** Years 1 & 2  
**DPS1010** Years 3 & 4  
**DPS1011** Years 5 & 6  
**DPS1012** Years Secondary

**ALL TITLES FOLLOW POLYA'S PROBLEM SOLVING APPROACH**

Problem solving is an important aspect of classroom teaching. Check The Clues allows students to share their clues and strategies for solving the problem.



#### **DPS1014** Whole Numbers

This book helps students build a better understanding of solving word questions, while at the same time improving their concept of place value.

#### **DPS1013** Decimals

Extends the understanding of place value from one decimal place (tenths), two decimal places (hundredths), to three decimal places (thousandths).

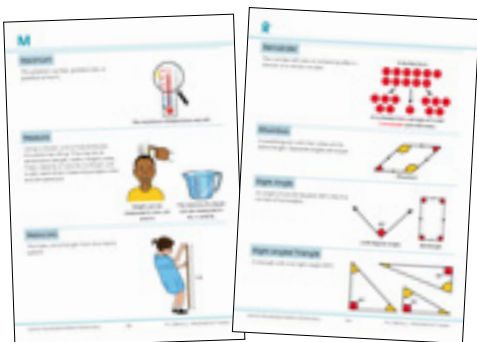
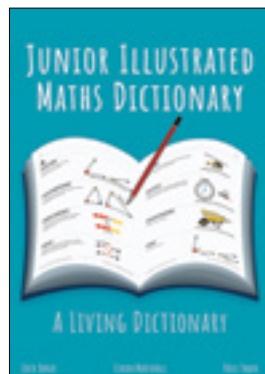
LINKED TO THE AUSTRALIAN CURRICULUM. ANSWER AND TEACHER NOTES PROVIDED

## Maths Dictionary

### JUNIOR ILLUSTRATED MATHS DICTIONARY

**DPS1026**

The book is a very useful reference for both teachers and parents, but it is primarily intended for children to use individually in Years 1 - 4. Each word is clarified with engaging illustrations.



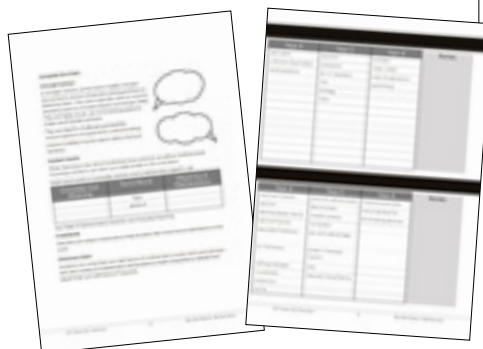
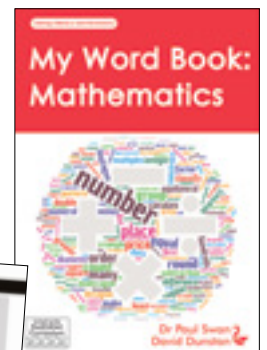
## Word Book

### MY WORD BOOK: MATHEMATICS BY DR PAUL SWAN AND DAVID DUNSTAN

**DPS1033**

A comprehensive listing of mathematical language for Australian schools

- The vocabulary lists cover years F-6 and NAPLAN words to Yr 7 and more...





Anything that you can do with dice, you can do with spinner board, making them the perfect substitute if you are after a quieter classroom! Students can work independently or share a board between two. Add, subtract, multiply and collect data using the board to play a variety of educational games. The difficulty level can be adjusted by using different spinners.

## DR PAUL SWAN SPINNER BOARDS NUMBER

1E380

Set of 8 in a PVC wallet

1E381

Set of 32 in a storage box

## DR PAUL SWAN SPINNER BOARDS PROBABILITY

1E382

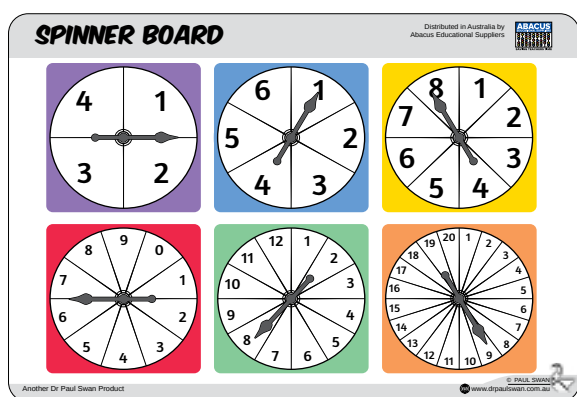
Set of 8 in a PVC wallet

1E383

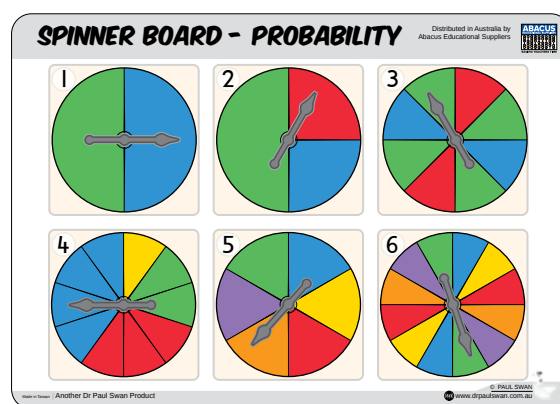
Set of 32 in a storage box

EVERYTHING YOU CAN DO WITH DICE & MORE

6 INTEGRATED SPINNERS ON A HANDY A4 BOARD



Dimensions w x h (mm)  
297 x 210



Dimensions w x h (mm)  
297 x 210

Basic Facts Kit is a variety of games and activities that will greatly increase the understanding of mathematics. Each of these games is fun, interactive, and designed to capture your children's attention.

## BASIC FACTS KIT

1C320

- 8x Combo playing cards pack
- 8x Spindiv games - 296mm x 209mm
- 8x Multispin games - 296mm x 209mm
- 8x Probability spinner boards - L 297mm x W 210mm
- 1x Combo games ideas booklet

The Basic Facts Kit is also sold in the following trolleys:

- Middle Primary Maths Trolley (Year 3-4)
- Upper Primary Maths Trolley (Year 5-6)



Gratnells  
SHALLOW Tray

Working with Attribute Blocks will expose students to inductive reasoning and the series of deductive reasoning, where a series of logical arguments are strung together. The development of mathematical language 'and', 'or', 'not', 'if'... then may all be developed.

## ATTRIBUTE BLOCKS KIT 1M008

- 1x Jumbo attribute block set
- 4x Attribute block desk sets
- 15x Sorting circles
- 1x Attribute block work cards
- 1x Attribute Blocks book by Dr Paul Swan



Barrier games help developing language skills by providing an opportunity for students to both speak and listen. This comes with a book developed by Dr Paul Swan with games and activities to be played.



## BARRIER GAMES CLASS SET 1N046

- 15x Marflute boards
- 15x Whiteboard stands
- 1x Deep Gratnells storage box with lid
- 1x Barrier Games Book by Dr Paul Swan



Bead strings are a reliable resource when it comes to teaching a wide variety of mathematics topics. You can cover the basics, like counting and number sense, through to more challenging ideas like place value, and fractions.

## BEAD STRINGS CLASS SET 1C264

- 30x Student bead strings (20 beads each)
- 6x Student bead strings (100 beads each)
- 1x Teacher bead string (100 beads)
- 1x Gratnells shallow tray
- 1x Beadstring Mathematics by Dr Paul Swan



Young students can use dice with fewer sides to practise addition, subtraction, and multiplication. Upper primary students can use dice with higher numbers for complex arithmetic, probability, and fractions.

## BULK DICE TRAY

1E257

- 60x 16mm 4 Sided Numbered Dice
- 60x 18mm 6 Sided Numbered Dice
- 60x 16mm 6 Sided Dotted Dice
- 60x 16mm 8 Sided Numbered Dice
- 60x 16mm 10 Sided Numbered Dice
- 60x 18mm 12 Sided Numbered Dice
- 60x 20mm 20 Sided Numbered Dice
- 80x 16mm 6 Sided Blank Dice
- 1x Dice Dazzlers Book by Dr Paul Swan



There are a wide variety of concepts that can be taught using colour tiles, including patterns, sequencing, odds/evens, fractions, symmetry, and measurement.

## COLOUR TILES KIT

1M002

- 400x Square colour tiles
- 500x Transparent colour tiles
- 2x Medium drawstring bag
- 1x Colour tiles book



The cubes are a staple of the school environment because they can be applied many topics. These colourful interlocking pieces are helpful for learning arithmetic, sorting, counting, perimeter, fractions, and sequencing.



## CUBES - 2CM INTERLOCKING PLASTIC CLASS SET

1L125

- 2000x 2cm interlocking cubes
- 1x Cubes in the Classroom by Dr Paul Swan
- 1x Gratnells Jumbro tray with lid

Cuisenaire rods are essential resource for any mathematics classroom. Some of the potential applications include addition/subtraction, multiplication/division, counting, patterns, probability, place value, fractions, modelling, and sorting by classifiers.

## CUISENAIRE RODS KIT 1C157

- 370x Cuisenaire rods
- 64x Magnetic Cuisenaire rods
- 1x Reasoning with Rods by Dr Paul Swan



## CUISENAIRE RODS SORTING TRAY 1D030

- 592x Cuisenaire rods
- 1x Reasoning with Rods book (176x white, 96x red, 80x light green, 48x purple, 32x yellow, 32x green, 32x black, 32x brown, 32x blue, 32x orange)



The dominoes count from 1-6, making these a great tool for younger children who are learning the numeracy basics, or an older child studying more advanced fractions and probability.



## DOMINOES CLASS SET 1N406-3

- 504x Wooden dominoes (21mm x 42mm)
- 3x Drawstrings bags
- 1x Dominoes work cards
- 1x Domino Deductions book

Fraction rod is a fun resource for learning addition/subtraction, multiplication/division, counting, patterns, probability, place value, fractions, modelling, and sorting by classifiers.

## FRACTION RODS KIT 1D002

- 370x Fraction rods
- 64x Magnetic Fraction rods
- 1x Reasoning with Rods by Dr Paul Swan



## FRACTION RODS SORTING TRAY 1D031

- 592x Fraction rods
- 1x Reasoning with Rods book (176x white, 96x red, 80x light green, 48x purple, 32x yellow, 32x green, 32x black, 32x brown, 32x blue, 32x orange)



Geoboards provide the opportunity to explore geometry and measurement concepts, with a little algebra thrown in.

## GEOBOARDS CLASS SET 1M207-30

- 30x 23cm geoboards
- 24x Rubber bands
- 1x Geoboard Gems Book by Dr Paul Swan



MAB is a base ten system with which you can teach a wide variety of topics, but it's especially useful when conveying place value and related themes. Ten singular 'units' make up one 'long'. Ten longs make up one 'flat'. And ten flats form a ten-by-ten cube.

## MAB CLASS SETS

- 1000x units (in drawstring bag)
- 100x longs (in drawstring bag)
- 50x flats
- 5x cubes
- A3 place value mat
- Transparent cube
- Base ten blocks book



**1C017 WOOD**



**1C027 PLASTIC**

Students will be able to practise money identification, giving change, addition, and subtraction, describing, and sorting Australian currency.

## MONEY CLASS KIT 1F111

- 2x Money Set (coins and notes)
- 1x Money of Australia Cards
- 1x Magnetic Money Set
- 1x Mathematics and Money by Dr Paul Swan
- 1x 50 Money Activity Cards



The number balance allows you to work through numeracy tasks with your students, encouraging them to problem-solve and communicate effectively. Twenty weights of ten grams each are provided with every balance.



## NUMBER BALANCES CLASS SET 1C029-S

- 15x Student Number Balance
- 1x Demonstration Number Balance
- 320x 10g Weights (20 weights per balance)
- 1x Using Number Balances by Dr Paul Swan
- 1x Gratnells jumbo tray with lid

Each balance measures L 360mm x H 130mm

The number boards class set includes a range of materials for learning the basics of addition, subtraction, multiplication, and division. The numbered 1-120 boards are made of whiteboard material that allows kids to write down math sums and wipe them away easily.

## NUMBER BOARDS CLASS SET 1C199

- 30x Numbered student whiteboards 1-120
- 30x Show me fine tip black whiteboard markers
- 30x Foam whiteboard erasers
- 1x Whiteboard cleaning liquid
- 1000x Transparent counters (19mm)
- 1x Drawstring bag
- 1x Number Boards book by Dr Paul Swan



The colourful pattern block shapes are perfect for teaching all sorts of mathematical concepts. In particular, they could be applied to patterns, symmetry, linear and area measurement, fractions, sorting, and sequences.

## PATTERN BLOCKS CLASS SET 1M102

- 8x Sets of pattern blocks (250x pieces in each set)
- 8x Drawstring bags
- 30x Student mirrors
- 1x Pattern Blocks book by Dr Paul Swan



Place value is one of the most important concepts in our numerical system, and a solid understanding of it is fundamental for underpinning a student's exploration of further mathematical themes.



## PLACE VALUE KIT 1C251

- 1x arrow cards - whole numbers
- 1x arrow cards - decimals
- 1x bundling sticks kit in drawstring bag
- 1x place value flip stand
- 1x 50 place value activity cards
- 1x place value dice class set
- 4x playing cards (pack)
- 1x donut abacus set
- 1x counters - transparent 19mm (100)
- 1x dice - 6 sided 16mm dotted - jar of 80
- 1x dice - 10 sided numbered - jar of 80
- 1x Dice Games for Place Value - Dr Paul Swan
- Gratnells deep tray with lid

Playing cards can be used to play traditional games that teach key maths concepts like counting, addition, subtraction, multiplication, division, place value, probability, sequencing, and more.

## PLAYING CARDS KIT 1N307

- 16x Packs of playing cards
- 1x Pack of jumbo playing cards
- 1x Card Capers book
- 1x Cards on the Table book



For a full range of playing cards, please [click here](#)

The Pocket Cube Dice is an innovative and fun learning tool, applicable in a wide variety of subjects including maths and literacy. There are seemingly endless possibilities for the use of this dice. Display number operations to test mental arithmetic, teach fractions and decimals, or spell out words, sounds and letters. You could even practise telling the time in various forms, or create engaging story prompts for the children to work with. Perfect for use in the classroom, at home, or in a childcare setting. The dice can be adapted to meet the development stage of the child.

## POCKET DICE F-2 KIT 1E241

- 6x Pocket Dice
- 1x Pocket Dice Book A (Years F-2)  
by Dr Paul Swan



## POCKET DICE 3-4 KIT 1E242

- 6x Pocket Dice
- 1x Pocket Dice book 3-4  
by Dr Paul Swan

## POCKET DICE 5-6 KIT 1E243

- 6x Pocket Dice
- 1x Pocket Dice book 5-6  
by Dr Paul Swan





This kit has you covered for all things probability, including various dice, cubes, counters, spinners, coins and more! Understanding chance, interpreting statistics, and representing data are important concepts covered in the Australian Curriculum.

## PROBABILITY KIT 1E452



- 1x PVC 12-sided dice
- 2x pocket dice
- 200x counters: red and yellow
- 100x counters: transparent red, yellow, green, blue
- 340x assorted replica coins
- 4x school friendly playing cards pack
- 1x Take Sum Risks card game
- 10x Write N Wipe pockets
- 10x Show-me medium black pens
- 10x magnetic whiteboard erasers
- 8x Paul Swan probability spinner boards
- 72x dice 6's and 10's set
- 4x drawstring bags
- 10x Suction spinners
- 1x plastic 20mm cubes: red, yellow, green, blue (20)
- 2x Probability Chance Experiments Book by Dr Paul Swan (Y 3-4 and Y 5-6)

Rainbow Pebbles can be used to teach topics like sorting, classifying, geometry, creative expression, and so much more. Pieces can be stacked or used individually.



## RAINBOW PEBBLES KIT 1B252

- 144x Rainbow pebbles (6 sizes, 6 colours)
- 12x Easy grip tweezers
- 4x Medium drawstring bags
- 1x Bifold mirror
- 1x Rainbow Pebbles book by Dr Paul Swan

The school friendly playing cards were specially designed to provide a simplistic form of pattern recognition that can help children develop their maths skills with ease.



## SCHOOL FRIENDLY PLAYING CARDS KIT 1N345

- 16x School Friendly Playing Cards pack
- 1x School Friendly Playing Cards jumbo pack
- 2x Maths Games with School Playing Cards Book by Dr Paul Swan (Book 1 and 2)

Great practical tools for learning about symmetry, geometry, sequencing, patterns, and creating diagrams. This kit includes a range of materials that will encourage your student's creativity, interest in design, and ability to work as a team to reach results.

## TANGRAMS KIT 1M015

- 1x Tangrams class pack
- 1x Tangram puzzle cards A4
- 1x Toying with Tangrams book by Dr Paul Swan



Ten frames allow students to establish the fundamentals of numbers. They could even be used to introduce place value and arithmetic.



## TEN FRAMES CLASS SET 1C039

- 64x Trays
- 640x counters
- 1x Teaching with Ten Frames Book by Dr Paul Swan
- 1x Small Drawstring Bag

Print off paper and place it inside the sleeve as a makeshift board. Alternatively, children can work together to create their own board games, write them on paper, and play through the pocket sleeve.

## WRITE 'N' WIPE POCKETS CLASS SET 1Q491-30

- 30x Write 'n' Wipe Sleeves
- 30x Drywipe Pens
- 10x Suction Spinners



# DR PAUL SWAN'S SCHOOL FRIENDLY PLAYING CARDS

The range of School Friendly Playing Cards has proven to be extremely popular as they are far more appropriate for classroom use. The cards are numbered 0-13 (No Jacks, Queens, Kings or Aces). The 4 coloured suits depict squares, rectangles, circles and triangles. Play all your favourite card games without any association with gambling.

## SCHOOL FRIENDLY PLAYING CARDS

- 1N325-8**      **Box of 8**
- 1N325-12**    **Box of 12**
- 1N325-16**    **Box of 16**
- 1N325-32**    **Box of 32**



**SAME AS STANDARD CARDS (58mm X 78mm)**

## MATHEMATICS GAMES WITH SCHOOL FRIENDLY CARDS

- DPS1047**      **Book 1**
- DPS1048**      **Book 2**

The School Friendly Cards book has been designed to complement our bestselling school friendly playing cards.

The books will give children plenty of ideas to use cards for a wide range of mathematical activities including learning key early number concepts while playing simple card games.

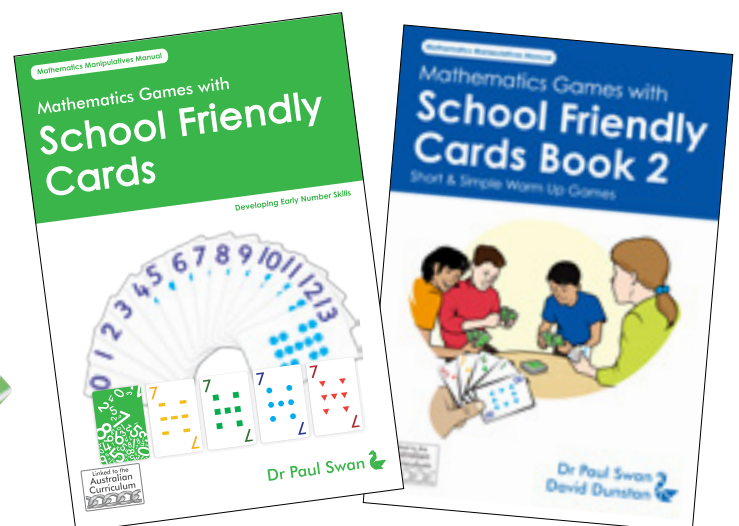


## SCHOOL FRIENDLY PLAYING CARDS - JUMBO

**1N310**

Ideal for front of class presentation


Dimensions w x h (mm)  
**115 x 180**



# DR PAUL SWAN'S MATHS CLASS KITS

The kits have been designed by dr paul swan around a base set of versatile materials, which can be used for a wide range of activities.

Ideas have been provided to gain the most from these materials and there are plenty of supplementary books and videos available outlining their use.

 = Video available on Abacus Educational Suppliers YouTube channel

In addition, materials appropriate to the Curriculum requirements for the Year Levels have been added to tailor the kits to the appropriate Year Level. Supplementary notes have been provided in order to gain the most from these materials.

## MATHS CLASS KIT - FOUNDATION

1P601

- 1000x Counters (4 colours)
- 8x School Friendly Cards
- 1x School Friendly Jumbo Cards
- 1x 6's and 10's Dice Set
- 3x Jumbo PVC Dice
- 1x Bead Strings (20 bead strings and 15 strings 10mm)
- 1x Dominoes Set (168) in a drawstring bag
- 1x Dr Paul Swan Early Mathematical Experiences book
- 2x Pocket Dice
- 1x Primary Bucket Balance
- 1x Rainbow Recorder
- 3x Ten Frame Tray and Counters (Set of 4)
- 2x Ticker Tape (9 single rolls)
- 1x Spinner Pack (10 spinners and 10 cards)
- 1x Dr Paul Swan's Kits Manual



## MATHS CLASS KIT - YEAR 1 AND YEAR 2

1P602

- 1000x Counters (4 colours)
- 8x School Friendly Cards
- 1x School Friendly Jumbo Cards
- 1x 6's and 10's Dice Set
- 3x Jumbo PVC Dice
- 1x Bead Strings (20 student beads and 15 strings 10mm)
- 1x Dominoes Set (168) in a drawstring bag
- 2x Geared Student Clocks (Set of 6)
- 1x Money Set (Wallet of 100)
- 1x Primary Bucket Balance
- 1x Spinners Pack (10 spinners and 10 sample cards)
- 3x Ten Frame Tray & Counters (Set of 4)
- 2x Ticker Tape (9 single rolls)
- 1x Dr Paul Swan's Kits Manual



Enough materials have been included so that the teacher may complete:

- Whole class activities
- Group activities
- Paired activities

A 24 page manual is included in every kit. The manual contains a wide range of activities designed to maximise usage of the kit materials. The Australian Curriculum links associated with the materials have been listed but these are general in nature and will depend on the exact use that is made of the materials.

## MATHS CLASS KIT - YEAR 3 AND 4 1P603

- 1000x Counters (4 colours)
- 8x School Friendly Playing Cards
- 1x School Friendly Jumbo Playing Cards
- 1x 6's and 10's Dice Set
- 3x Jumbo PVC Dice
- 8x Combo Cards
- 10x Whiteboard Erasers
- 10x Measuring Tapes
- 1x Multispin Game
- 10x Black Fine Whiteboard Pens
- 10x Suction Spinners
- 1x Money Set
- 1x 12 Hr Write On/Wipe Off Demo Clock
- 15x 12 Hr Write On/Wipe Off Student Clocks
- 10x Write 'N' Wipe Pockets
- 1x Dr Paul Swan's Kits Manual
- 1x Write 'N' Wipe Pockets Manual



## MATHS CLASS KIT - YEAR 5 AND 6 1P604



- 1000x Counters (4 colours)
- 8x School Friendly Playing Cards
- 1x School Friendly Jumbo Playing Cards
- 1x 6's and 10's Dice Set
- 3x Jumbo PVC Dice
- 8x Rowco Cards
- 20x Suction Spinners
- 10x Measuring Tapes
- 1x 12 Hr Write-on/wipe off demo clock
- 15x 12 Hr Write-on/wipe off student clocks
- 20x Write 'N' Wipe Pockets
- 20x Whiteboard Pens
- 20x Whiteboard Erasers
- 1x Dr Paul Swan's Kits Manual
- 1x Write 'N' Wipe Pockets Manual

Developed by Narelle Rice with the support of Dr Paul Swan

The Bond Blocks system has two targeted uses:



**1**

### MENTAL MATHS FOR YEARS 1 TO 3

Linking part-part-whole understanding with basic addition and subtraction fact fluency and associated word problems.

**2**

### AS AN INTERVENTION SUPPORT SYSTEM FOR YEARS 3 TO 6

For older students who count to add and subtract. The Bond Block Test is used for placement and monitoring. Activities designed to support students with learning disabilities.

Features of every activity in the system:

	Either an Individual or Pair Activity		Teaching Modelled in Video
	Uses one A3 Activity Board		Differentiated
	Free Webpage of Teacher Notes		Positive Testimonials from Teachers

## THE BLOCKS



Linear Ten

Empty Ten Frame

Bond Blocks have a number of unique features:

They are not scored, reducing the tendency to simply count.

The natural wood colour of the sustainably-sourced New Zealand Pine reduces distraction of colourful plastic and focuses children on the numbers.

Represent ten with two different blocks: Linear Ten and Empty Ten Frame, similar to a ten strip and ten frame.

They are a ratio of one unit : 2 cm making them easy to manipulate.

Self-checking. Encourage number sense and estimation.  
"I think  $9 - 4$  is 6. Oops! 6 is one too big."



"It must be 5. I'll check. Yes  $9 - 4$  is 5."



### Based on Part-Part-Whole (also known as Bar Model, Singapore Maths) thinking

Part + Part = Whole



so  $2 + 3 = 5$

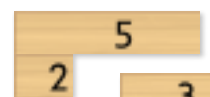


and  $3 + 2 = 5$

Whole - Part = Part



so  $5 - 2 = 3$



and  $5 - 3 = 2$

**BOND BLOCKS CORE KIT**

**DPS5001**

The 2024 Edition includes the whole school licence add-on.

- 1x 108 activity boards
- 10x plastic sleeves (one for each chapter)
- 4x sets of wooden Bond Blocks in their carry cases
- 1x Materials Pack
- 1x Bond Blocks USB with downloaded copies of the teacher materials and online materials
- 1x "Bond Blocks Implementation" Book
- 1x "Bond Blocks Assessment and Monitoring" book
- 1x "Bond Blocks Teacher Notes" book
- 1x "Bond Blocks Differentiation" book
- 1x "Bond Blocks Answers" book



**More Intervention**

**Mental Maths Years 1 - 3**

**BOND BLOCKS CORE KIT –  
INTERVENTION ADD-ON**

**DPS5004**



Intervention with 4 more students.  
**Intervention requires 1 set of blocks per student.**

**BOND BLOCKS CORE KIT –  
CLASS ADD-ON**

**DPS5002**

Purchase one set of this add-on for each class of Year 1, 2 and 3.

**Mental Maths requires 1 set of blocks per 2 students.**



**BOND BLOCKS BASIC SET**

**DPS5006**

Activities you can do with just one set of Bond Blocks. Mathematics from beginning counting to addition and subtraction with two-digit numbers.

- 1x Set of Wooden Bond Blocks
- 1x "Bond Blocks Out of the Box" book



## **BOND BLOCKS COUNTING TO 10 & 20 KIT (2024 EDITION)**

**DPS5100**



The 2024 edition of the bond blocks counting to 10 & 20 kit offers a wide range of materials for teaching addition to early learners. Included are hands-on resources such as cubes, spinners and write 'n' wipe sleeves to assist with your children's learning. This kit is designed around individual progression and uses different testing systems to track students' progress when learning the basics of counting.

- 46x A3 boards in 5 plastic wallets
- 17x Exploratory play cards in a plastic wallet
- 128x Guided play A4 cards in 4 plastic wallets (32x matching, 32x filling, 32x choosing, 32x building)
- 6x Wooden Bond Blocks sets
- 15x Round Transparent Spinners
- 15x Write 'n' Wipe sleeves
- 15x Black Pens
- 2x Pack of Two-colour Counters
- 1000x Maths Cubes
- 1x Implementation Support Book
- 1x USB with everything including activity boards PDFs and 100 minute video "Introducing Counting to 10 and 20 with Bond Blocks"

Additional Teacher Resources:

- Screening test, planners and skills checklists (Tier 1, 2 and 3)



**BOND BLOCKS COUNTING TO 10 & 20  
– CLASSROOM ADD-ON**

**DPS5101-C**

The classroom add-on expands upon this kit to support a classroom of 24 students.

- 6x Bond Blocks Set in a carry case
- 15x Spinners
- 15x A3 write 'n' wipe sleeves
- 150x Two-colour counters (green and blue)
- 1000x 2cm interlocking maths cubes



**BOND BLOCKS COUNTING TO 10 & 20  
– INTERVENTION ADD-ON**

**DPS5102**

The intervention add-on expands upon this kit to support 4 students who need immediate math intervention.

- 4x Sets of Wooden Bond Blocks
- 5x Round Transparent Spinners
- 5x A3 Write n' Wipe Sleeves (1 pack of 5)
- 50x Two-Colour Counters (Green and Blue)
- 300x 2cm Interlocking Maths Cubes



These math games are designed to teach a range of different subjects to different year levels. The A3 sized boards are made of laminated matte cardboard which is lightweight to carry around. These games can be played anywhere and easily packed away.

Each of these games is structured similarly to the well-known Candyland and require a spinning wheel to move around the board. This shared likeness to traditional games makes these easy to follow and a lot of fun to play.

## MIXED MATHS GAMES - LOWER PRIMARY SET 1 (YEARS 1-3)

1W404

Get in shape is a game which focuses on correctly recognising and naming different types of 2D shapes.

The coin collector game applies addition, subtraction, multiplication, and division to real-world situations such as trading money.

Make to ten and double agent are both games that ask students basic number questions that must be solved using strategic thinking.



- 1x Coin collector
- 1x Get in shape
- 1x Make to ten
- 1x Double agent
- 100x 19mm transparent counters
- 10x Spinners

## MIXED MATHS GAMES - LOWER PRIMARY SET 2 (YEARS 1-3)

1W405

Double dribble is a basketball themed board game that requires you to double negative and positive numbers to solve problems.

Take off and catch a crook both involve answering questions about addition and subtraction to move further around the board. Build a band teaches and revises mental strategies for solving addition sums.



- 1x Take off
- 1x Double dribble
- 1x Catch a crook
- 1x Build a band
- 100x 19mm transparent counters
- 10x Spinners

## MIXED MATHS GAMES - MIDDLE AND UPPER PRIMARY SET (YEARS 3-6) 1W406

Division decision asks students to answer single digit division questions if they wish to move further around the board.

Stop the clock draws a link between digital and analogue time, with time-related phrases on every tile.

Fraction action has a series of questions about equivalent fractions which students must answer to get ahead of their peers.

The robot race requires children to use different mental strategies to answer questions about odds and evens.

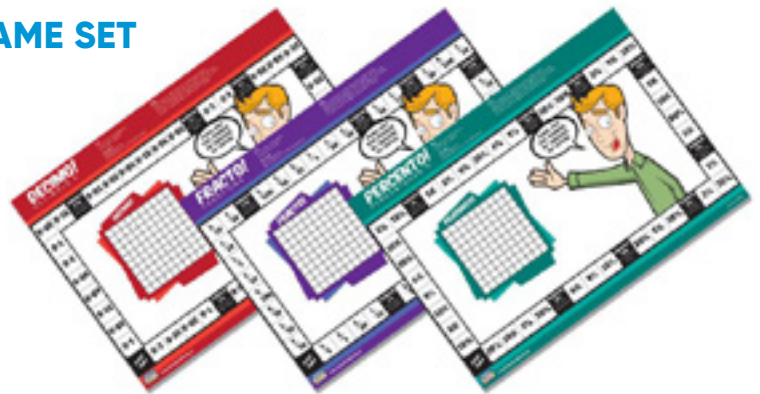
- 1x Stop The Clock
- 1x Division Decision
- 1x Fraction Action
- 1x Robot Race
- 100x 19mm transparent counters
- 10x Spinners



## FRACTO, DECIMO AND PERCENTO GAME SET 1W200

This game must be played in a pair or larger group, however, students can study the board independently to improve their knowledge of the subject.

- 1x Fracto Game
- 1x Decimo Game
- 1x Percento Game



### TREASURE TROVE (SET OF 4) 1W100

**HALF PRICE**



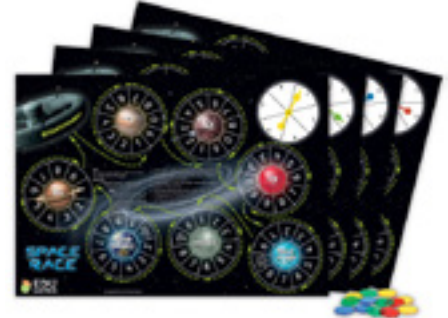
### PIT STOP (SET OF 4) 1W101

**HALF PRICE**

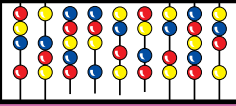


### SPACE RACE (SET OF 4) 1W102

**HALF PRICE**



To shop for half price resources, please visit [abacused.com.au/sale](http://abacused.com.au/sale)



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## MATHS ON THE MOVE

Trolleys for the classroom



**1S015-L LOWER PRIMARY  
MATHS TROLLEY  
(K- YEAR 2)**

**1S015-M MIDDLE PRIMARY  
MATHS TROLLEY  
(YEAR 3-4)**

**1S015-U UPPER PRIMARY  
MATHS TROLLEY  
(YEAR 5-6)**

For our full range of trolleys, please visit

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