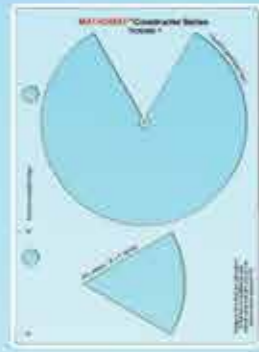


NEW PRODUCTS



THE NEW CONSTRUCTOR 1 TEMPLATE

Add one to your next Mathomat order for \$5.95. The new constructor templates were inspired by Chris Tisdell. Their naked design encourages a focus on geometry, separate from measurement.

The Constructor 1 template has been made to Chris's specification. It fits inside the V7 template packs as an extension tool or is available in class sets.



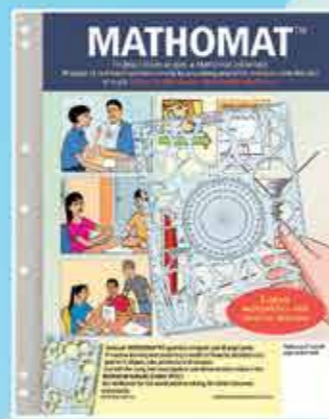
Professor Chris Tisdell
Academic and mathematician.

Academic advisor to the Mathomat company.



THE NEW WB-3 WHITEBOARD TEMPLATE

The new Whiteboard template 30% larger than original version. New magent system for permanent clamping. A powerful tool for whole class presentations. \$195.00 incl. GST



FINDING HIDDEN ANGLES

Finding hidden angles, a Mathomat adventure. Written by John Lawton, illustrated by Juliet Snape. This 48 page student guide comes with a Mathomat V7 geometry template. Students gain insight into the geometric structure of their world. Activities develop deep understanding of the important concept of angle. Build confidence in classroom geometry. Available term 4, 2024. \$19.95 incl. GST

Chris Tisdell explores the classroom potential of the Mathomat, Constructor 1 and whiteboard templates in a video series in the MAC.

NEW

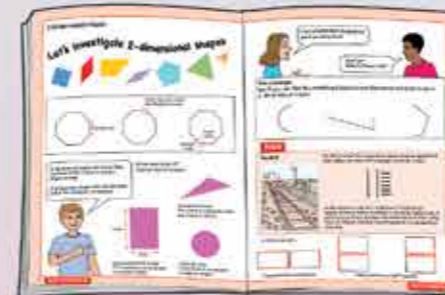
NEW MATHOMAT V7 GEOMETRY TEMPLATE

See inside for details

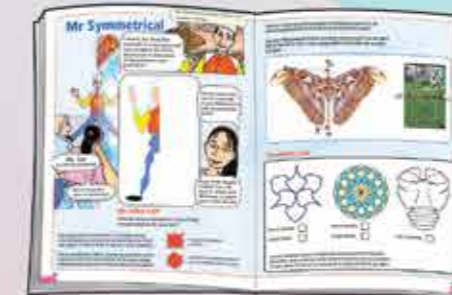
The Mathomat Activity Centre



Free lesson plans, video tutorials and printable activities



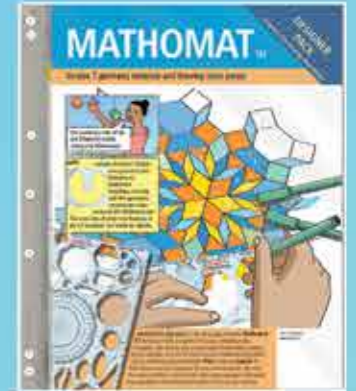
Activity from Michelle Du Toit's Builder manual.



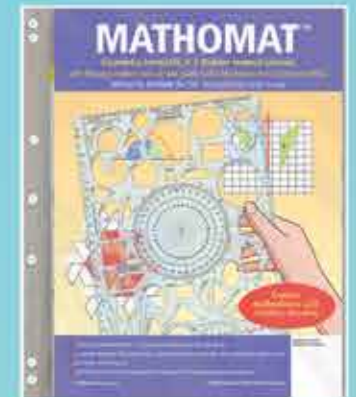
Activity from Juliet Snape's revised Explorer manual

Two new printed Mathomat student manuals and MAC guides with two different creative styles for investigating with Mathomat.

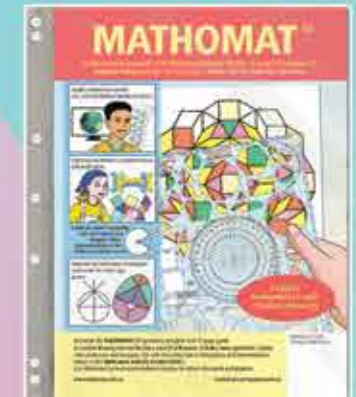
Mathomat Designer pack users can access the activities from the Builder and Explorer manual MAC guides free in MAC. As well as Professor Chris Tisdell's Mathomat videos.



Mathomat V7 Designer pack. V7 template with foldout poster of drawing ideas. \$10.95 incl. GST



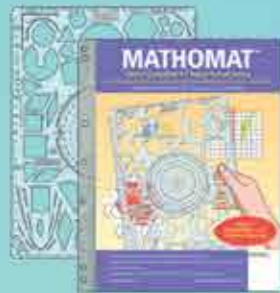
Mathomat V7 Builder pack with 96 page student book and MAC guide by Michelle Du Doit. \$19.95 incl. GST



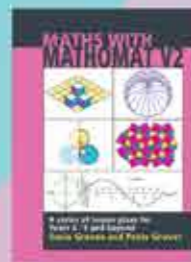
Mathomat V7 Explorer pack with 72 page illustrated student manual and MAC guide by Juliet Snape. \$19.95 incl. GST

Mathomat implementation resources for booklist schools

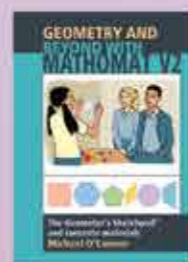
Free for schools which specify a Mathomat template as a required purchase in the 2024 school year. Send a copy of the booklist to us using the application form on our website. We will send the following resources:



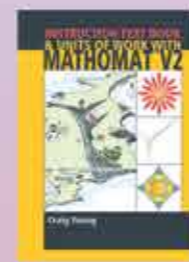
5 free staff copies of book-listed template



Maths with Mathomat by Susie Groves and Peter Grover (normally \$24.95)



Geometry and Beyond with Mathomat, The Geometer's Sketchpad and concrete materials by Michael O'Connor (normally \$24.95)



Instruction text and units of work for Mathomat by Craig Young (normally \$24.95).



Space and Beyond using Mathomat. More than 100 investigations for years 4 to 9 and beyond. Steve Lewis and Ted Marks (normally \$24.95).



50% discount on WB-3 whiteboard templates. Price for booklist schools \$97.50 incl. GST

Scale up your school library by adding the following OLM publications to your order at 20% discount.



Strategies for Problem Solving by Kaye Stacey and Susie Groves \$20 each incl. GST (normally \$25.00)



Conjecture to Proof by Ken Milton and Howard Reeves \$20 each incl. GST. (normally \$25.00).



Michelle Du Toit



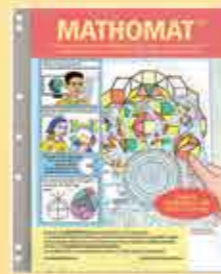
Juliet Snape



John Lawton

Find out more at
mathomat.com.au
mathomatactivitycentre.com.au

ANNOUNCING THE NEW MATHOMAT V7 GEOMETRY TEMPLATE



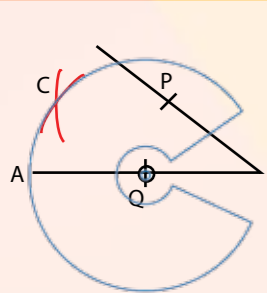
Mathomat V7 Explorer pack \$19.95 incl. GST



Mathomat V7 Builder pack \$19.95 incl. GST



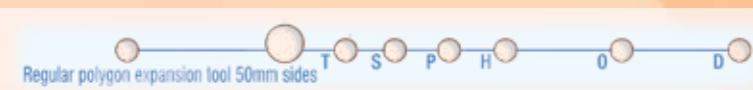
Designer Pack with poster \$10.95 incl. GST



NEW IN MATHOMAT V7: Professor Tisdell's geometry tool, the TGT. Use with straight edge sides of Mathomat for accurate geometric constructions. Demonstration videos for important geometric constructions by Professor Tisdell using Mathomat are available in the MAC.

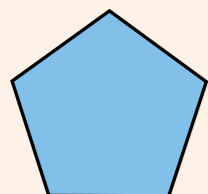


New tangram tool: Use this to draw the three tangram triangles which can be used with shapes 23 and 43 to make tangram puzzles. See Investigate Tangrams activity in the Explorer manual and on the MAC.



New regular polygon expansion scale: Use this new tool to expand regular polygons in Mathomat so they have giant 50mm sides. Great to use with the new model making section in the Explorer manual and the MAC.

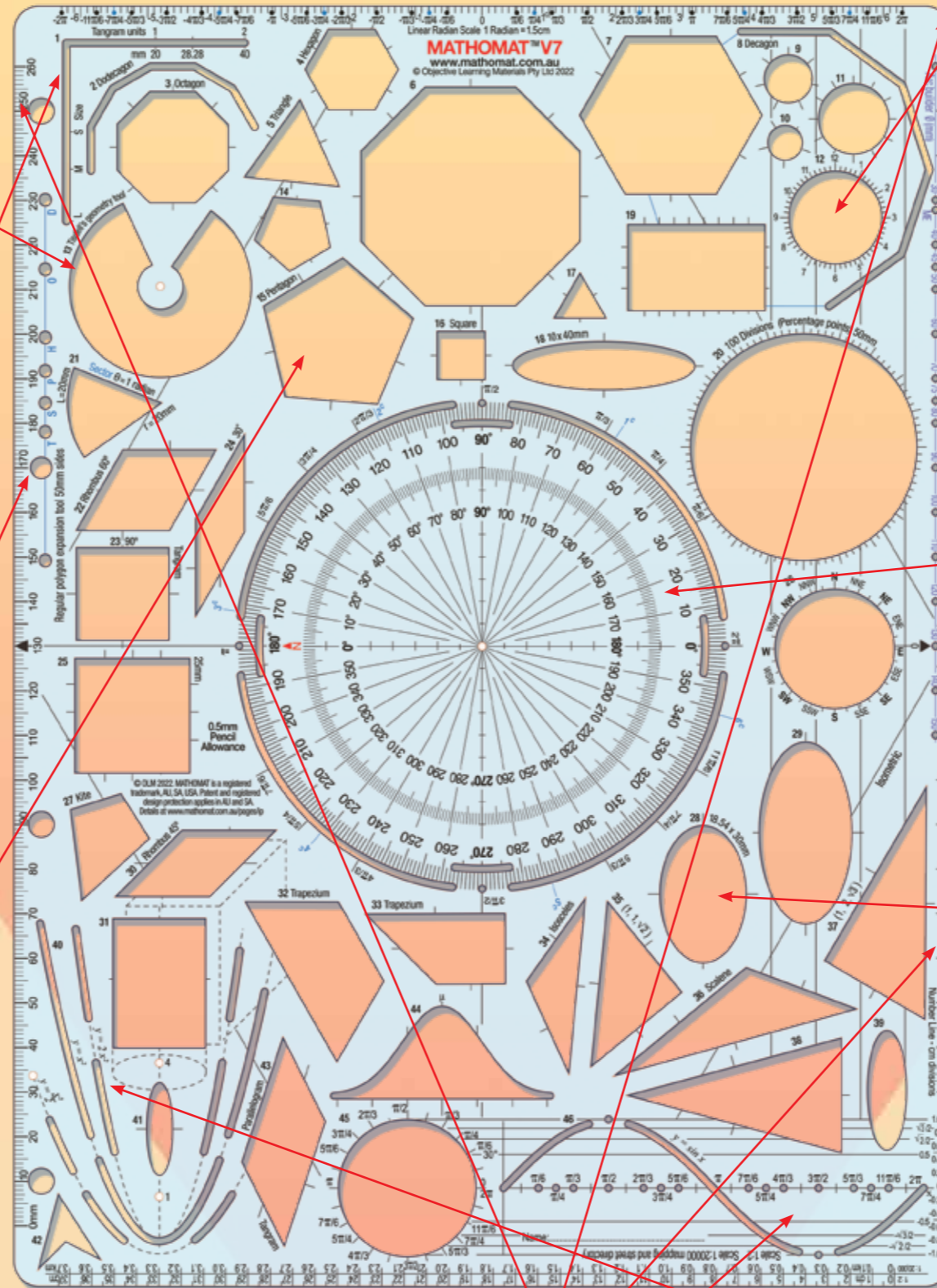
New: Mathomat V7 now has a full set of pattern block shapes. Great for redrawing designs made with Mathoblocks™. Use with the double dodecagon pattern activities in the Explorer manual.



The Mathomat V7 pattern block shapes have big 20mm sides.

The new large format Mathomat V7 template

- Builds on Craig Young's original 1986 design: a central 360° protractor and unit circle, surrounded by geometric shapes and number lines.
- Hierarchical flow of geometric shapes. Maintains scope and optimises size of template pattern designs.



Like all Mathomat templates the V7 has a rich collection of number lines:

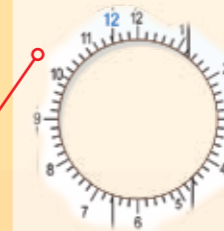
- Millimetres
- Linear radian scale
- Number line in centimetres
- Scale rulers, 1:2 and 1:20,000
- Sine/cosine, for use with the trigonometry cluster



Graphics shapes

- Sine curve with unit circle (trigonometry cluster)
- Parabola cluster

Mathomat circles



Shape number	Diameter	Fractions of a complete revolution represented
9	10mm	sevenths
10	7mm	fifths
11	15mm	twelfths
12	20mm	clock face 60ths
20	50mm	percentages 100ths
26	26mm	compass rose
45	30mm	unit circle

Binder holes in template are 5mm diameter
Shape 13, TGT, draws a 40mm diameter circle

The Mathomat V7 has a great range of circles. These can be used for accurate geometric constructions as well as offering many different ways to scale a full rotation. See the "scales of rotation" section of the MAC.

New arc builder scale: This new circle making tool is great for drawing large circles and arcs. Use with the Magic Egg Puzzle investigation in the Explorer manual and in the Builder manual.



The protractor

The protractor at the centre of Mathomat is its largest circle. Imagine a full rotation of this circle. On the protractor that rotation is divided into degrees anti clockwise (the outer scale) and degrees clockwise (the inner scale). Also shown are key fractions in terms of pi which divide the revolution into radians.

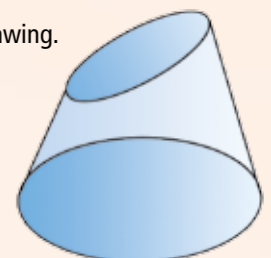


Become a confident protractor user by doing the investigations in Plato's Protractor and more in the MAC and Hidden Angles manual.

Mathomat ellipses

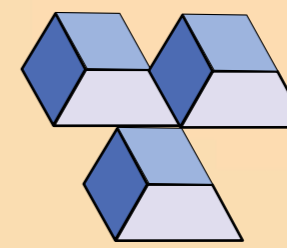
Ellipses are an essential tool for creative drawing.

Shape	Minor axis	Major axis
18	10mm	40mm
28	18.54mm	30mm
29	20mm	40mm
39	8mm	26mm
41	5mm	20mm



Polygons for 2-D and 3-D patterns and designs

- **Triangles:** scalene 36,37, isosceles 34,35, equilateral 17,5
- **Squares,** shapes 16,23,25
- **Rectangles,** shapes 19,31
- **Rhombuses,** shapes 22,24,30
- **Trapeziums,** shapes 32 & 33
- **Parallelogram,** shape 43
- **Kite,** shape 27
- **Arrowhead,** shape 42
- **Pentagons,** shapes 14 & 15
- **Hexagons,** shapes 4 & 7
- **Octagons** shapes 3 & 6
- design made with trapezium (shape 32) and rhombus (shape 22)



Refers to investigations in Explorer manual, Builder manual and the MAC