



Managed by Black Douglas Professional Education Services

Price List Services & Resources

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Payments should be made to Black Douglas ... ABN 34 620 211 772

A world of alternatives to text-based learning.

- ◆ All prices shown are in Australian dollars, including GST.
- ◆ Orders may be placed using your purchase order or our order form.
- ◆ Additional information can be found on our web site.
- ◆ Prices are subject to change without notice.
- ◆ **Delivery charges apply to all orders.**
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Prices in this document were updated 1st July 2011. Check web for later changes.

Sections

Professional Development

PD from MC
Tailored Programs

Web Sites

Mathematics Centre
 - Maths Task Centre
 - Calculating Changes
 - Maths300

Tasks & Kits

Tasks
 Task Centre Kit
 Working Mathematically with Infants...and more

Support Resources

Poly Plug
 Sphinx
 3d Geoshapes
 Tricubes ...and more

Professional Development

PD from MC	Off-the-shelf professional development: <ul style="list-style-type: none"> • Suitable for schools, clusters, associations or systems. • One day programs can be used on their own or in a sequence. • Six day programs for primary or secondary which include classroom trialing between each session. • See our site at: http://www.blackdouglas.com.au/taskcentre/pdfrommc.htm We also offer off-the-shelf workshops to support Mathematics Task Centre, Maths300, Calculating Changes & Working Mathematically with Infants.	\$1100 per day plus materials, printing, travel and accommodation. These programs can also be brought to your region on a per head basis. Conditions apply.
Tailored Programs	We tailor professional development programs to your needs: <ul style="list-style-type: none"> • Primary, secondary, teacher education • See our site at: http://www.blackdouglas.com.au/taskcentre/partners.htm In addition, some products below have a professional development component built in.	\$1100 per day plus travel and accommodation. You can combine these sessions with the purchase of materials. Conditions apply.

Web Sites

The major divisions of Mathematics Centre are:

Mathematics Task Centre Years 2 - 10 but adaptable to other years	The place for all resources and classroom wisdom related to using hands-on problem solving tasks. <ul style="list-style-type: none"> Visit ... http://www.blackdouglas.com.au/taskcentre 	No Charge
Calculating Changes Years K-7	Enhancing children's number sense beyond what is usual for their age by engineering 'aha' moments in number <ul style="list-style-type: none"> Activities from this network are designed around Poly Plug and calculators. Visit ... http://www.blackdouglas.com.au/calchange 	\$330 for permanent membership. Membership is essential for <i>Working Mathematically with Infants</i> kit (see below).
Maths300 Years K-12 and pre-service teacher education	Web-based lesson plans to support teachers in modelling how to work like a mathematician: <ul style="list-style-type: none"> More than half of these lessons draw from the projects above. About one third of these lessons are extended by specially designed software. Visit: ... http://www.maths300.esa.edu.au To order Maths300 membership, follow instructions in the About section of the site. 	\$495 1st year \$190 annually Special rates for schools with 50 or fewer students. Membership is essential for <i>Maths With Attitude</i> kits (see below).

Tasks & Kits

Tasks	Over 240 hands-on problem solving tasks in the collection: <ul style="list-style-type: none"> Each task is designed for a pair of students. Each task is packed with equipment in a sturdy press-seal bag. Purchase any number of tasks, including multiples. 	\$16.50 each. Note: Delivery charges apply to <i>all orders for materials</i> .
Task Centre Kit	100 tasks selected to span a range of ability levels and content strands. Includes teachers' manual. <ul style="list-style-type: none"> Please specify year levels. Please add any special criteria. From this information we will select appropriate tasks.	\$1567.50 ... Discounted
Task Centre Package	100 tasks as above <i>with</i> one professional development day or equivalent.	\$2550 ... Discounted Note: Plus travel and accommodation. Conditions apply.
Task Centre Starter Kit	50 tasks and manual as above. <ul style="list-style-type: none"> Tasks have been pre-selected for these kits. Please specify Years 2-4 or 5-7 or 8-10. 	\$825
Working Mathematically with Infants (WMI)	Threaded activities and investigations for Years K - 2 organised into 10 weeks per semester to support the development of number sense beyond what is usually expected for the age. <ul style="list-style-type: none"> 20 Poly Plug, CD-ROM, manual with week by week, lesson by lesson planners. Additional plugs, manuals and CDs at members' price. Calculating Changes membership essential. Prepares the ground for, and integrates with, MWA. 	\$396 each
Maths With Attitude (MWA)	16 kits altogether offering a hands-on investigative curriculum approach at all levels from Year 3 to Year 10. <ul style="list-style-type: none"> Each kit is for <i>two</i> year levels. Four kits for each pair of year levels. Maths300 membership essential. Please specify kit(s). 	\$450 each

Points of View	An example of a Mixed Media unit, in this case addressing the content of representing 3D objects in 2D. <ul style="list-style-type: none"> • Includes 10 tasks and teachers' manual. • Building Views software from Maths300. • Does not include Maths300 membership. • Suitable for Year 5+. 	\$275
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Support Resources

Poly Plug	Set of 2 soft foam boards containing 5 rows of 5 plugs supplied in a press-seal bag. One is red and one is a sandwich of yellow and blue. Multi-purpose, classroom-friendly resource for all levels. <ul style="list-style-type: none"> • Supported by its own web site of activities. • Important to Calculating Changes membership. • Extends the use of many tasks. 	\$13.50 each, 1 - 24 sets \$12.25 each, 25 - 99 sets \$11.00 each, 100+ sets
Sphinx Shapes	Activities in shape, measurement, pattern and algebra supported by extensive information on the Task Centre site.	\$56.50 per pack of 100
Pyramid Puzzles	Designed to support a whole class investigation of <i>Task 101</i> as described in Maths300 <i>Lesson 138</i> . 4 sturdy, colourful, plastic pieces, each made from either 4 or 6 spheres, which fit together to make 1 pyramid.	\$126.50 ... 25 pyramids \$231.00 ... 50 pyramids \$440.00 ... 100 pyramids
Trisquares	Trisquares offer possibilities similar to Sphinx using a square as the core unit, rather than an equilateral triangle: Shape discrimination and other spatial experiences, perimeter, area, problem solving, square numbers, algebra.	\$88.00 per set of 108 (6 panels of 18)
Tricubes	Turn several tasks from Points of View into whole class investigations. Also anything that can be done with Trisquares in 2D has an equivalent with Tricubes in 3D and this leads to content (for older students) in surface area, volume, pattern and algebra. <ul style="list-style-type: none"> • Only available in sets of 25 x 4 colours. 	\$143.00 per 100 (25 sets of 4 colours)
Pentagon Triangles	Designed to support a whole class investigation of <i>Task 81</i> as described in Maths300 <i>Lesson 134</i> . <ul style="list-style-type: none"> • One set is 5 red and 5 blue of each of 2 triangles. • One set per pair. • One pack has 16 sets. 	\$66.00 per pack
Rotagrams	A Rotagram is a clear plastic circle set into a clear plastic square. The circle can rotate against the square. One arm of an angle is marked (and fixed) on the square. The other is marked on the circle and consequently rotates. The focus is on the concept of an angle, rather than on the skills related to using a protractor. A useful device for comparing angles.	\$36.00 per pack of 20
3d Geoshapes	Click together plastic pieces in a range of shapes. The sides join to make a hinge which allows folding into three dimensions. Opens up a world of hands-on exploration K-12 and is particularly useful in the task centre context to extend some tasks into whole class investigations. <ul style="list-style-type: none"> • Equilateral Triangles • Squares • Pentagons • Hexagons • Class Starter Pack - 102 Triangles, 120 Squares, 30 Pentagons, 24 Hexagons • <i>Learning Space with 3d Geoshapes</i> Book 1, Yrs K-2 • <i>Learning Space with 3d Geoshapes</i> Book 2, Yrs 3-6 	Build your collection from the choices below. \$40.00 per 102 pcs \$40.00 per 60 pcs \$40.00 per 30 pcs \$40.00 per 24 pcs \$185.00 \$22.00 \$22.00

Other Publications

Professor Morris Puzzles	Unique rhymes supported by great cartoons offer problem solving situations suitable for whole class investigation and conversation. Reproducible single page posters in a folder.	\$27.50
Maths300 ETuTE	Written in a diary-style this book is a framework for in-house professional development based around Maths300.	\$27.50

...and more

2cm Wooden Cubes	Useful for whole class investigations of particular problems. Seven colours available (including natural wood). Please specify colours.	\$22.00 per 100
Square Tiles	Useful for whole class investigations of particular problems. Four colours in each pack of 400.	\$33.00 per pack
Playing Cards	Useful for whole class investigations of particular problems. Sold in boxes containing 24 decks (packs).	\$44 per box
Sets of numbered tiles	Square tiles as above with numbered stickers for whole class investigation of some problems.	\$2.20 per set 1 to 9. \$2.75 per set 1 to 16.
Dice	Only sold in conjunction with other material as a service. Spot dice or numeral dice. 16mm cube dice only.	\$0.39 each
Multiple sets of equipment for any task	You can order multiple copies of tasks as above. You cannot photocopy task cards, but you might want multiple sets of equipment for particular tasks, so a larger group, or the whole class, can work on the same investigation simultaneously. An example might be Rod Mats or Make The Whole which use special collections of Cuisenaire Rods.	Price on application Cost of material, freight and time to make sets varies from task to task.