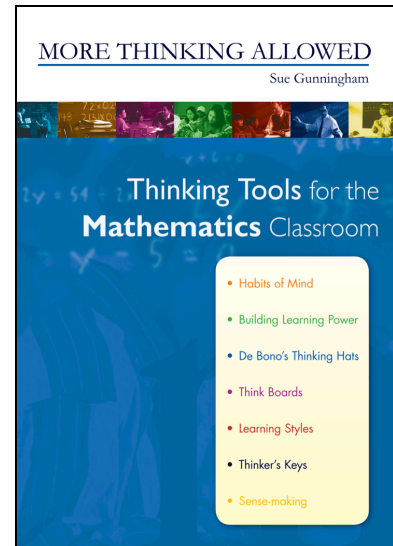


More Thinking Allowed: Thinking Tools for the Mathematics Classroom

Author(s): Sue Gunningham

Date Available: 2 July 2013
ISBN: 978 1 74239 743 6
Code/SKU: HB7436
RRP: \$29.95
Format/Page No.: A4, 88 pages
Age Group: P-6
Topic: Activities and Exercises;
Differentiated Learning
Learning Area: Mathematics



Summary:

More Thinking Allowed: Thinking Tools for the Mathematics Classroom offers a range of tasks aimed at stretching primary students' thinking in mathematics. Its goal is to help teachers improve their pedagogy by incorporating higher levels of thinking into their mathematics classrooms. Many of the ideas were gathered in discussion with practising teachers, while others derive from academic research.

More Thinking Allowed first identifies the key concepts and theories to consider when planning a 'thinking' focus in the mathematics classroom: these include Costa's 'Habits of Mind', Claxton's notion of the teacher's role in a thinking classroom, de Bono's 'Thinking Hats' and Ryan's 'Thinker's Keys'. It then moves to a discussion of four additional classroom strategies that maths teachers can use to encourage higher-order thinking: providing points of reference; fostering the skill of sense-making; linking classroom mathematics to 'real life'; and using games to capture student interest. Each chapter contains a plethora of practical, ready-to-use mathematics activities, along with background information for each exercise and some suggestions for extension and differentiation. The exercises are most suitable for students in middle to upper primary school, but many strategies and tools could be modified for lower primary or lower secondary classrooms.

Supporting Resources:

- *Thinking Allowed: Thinking Tools for the Mathematics Classroom* (HB9645)
- *Building Learning Power* (HB9997)
- *Building Learning Power in Action* (HB7218)
- *Using Open Ended Maths Tasks – High School* (HB7072)
- *Habits of Mind Across the Curriculum: Practical and Creative Strategies for Teachers* (108014)

**Hawker Brownlow**
EDUCATION
PO Box 580
Moorabbin VIC 3189
Tel: +61 3 8558 2444
Fax: +61 3 8558 2400
Web: www.hbe.com.au
Email: orders@hbe.com.au