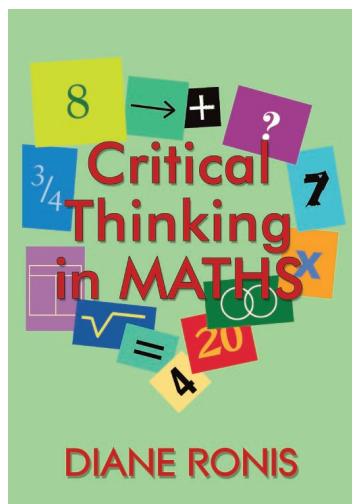


Hawker Brownlow Education Information Sheet

Critical Thinking in Maths

Author: Dr. Diane Ronis.



Date available:	10 March 2005
ISBN:	1 74101 442 0
Code:	PE4220
RRP:	\$17.95
Format:	147 x 211 mm
Extent:	32 pgs
Age range:	professional development
Category:	maths; brain-based learning; thinking skills

Summary:

Critical thinking skills are the mental skills and processes involved in the act of learning and thinking processes describe what goes on in the learner's brain during learning. This booklet will offer ways to promote critical thinking and make students more conscious of their thinking in three contexts:

- cooperative problem-solving
- reflective discussion and writing about mathematical ideas
- steps and strategies for problem-solving.

About the author:

Dr. Ronis is a Professor of Education at Southern Connecticut State University and has a Ph.D. in curriculum and instruction. She is the author of *Brain Compatible Assessments*, *Brain Compatible Mathematics* and *Problem-Based Learning for Maths and Science: Integrating Inquiry and the Internet*. She is a frequent presenter at the National Council of Teachers of Mathematics, Association for Supervision and Curriculum Development, National Middle School Association and the Learning and the Brain conferences.

Key selling points:

- Adapted from *Brain Compatible Mathematics*.
- Snapshot of innovative strategies for teaching maths.
- Promotes critical thinking through problem-solving, reflective writing and cooperative groups.
- Includes example graphics and diagrams.

Supporting resources:

- *Brain Compatible Mathematics* (4330)
- *Brain Compatible Assessments* (Z1779)
- *Problem-Based Learning for Maths and Science: Integrating Inquiry and the Internet* (PE4549)
- *Brain Compatible Classrooms* (PE4271)
- *Teach Them Thinking* (2718)
- *Mindshifts: A Brain-Based Process for Restructuring Schools and Renewing Education* (4564)



Hawker Brownlow Education
PO Box 580
Moorabbin VIC 3189
Tel + 61 3 9555 1344
Fax + 61 3 9553 4538
Web www.hbe.com.au
Email orders@hbe.com.au