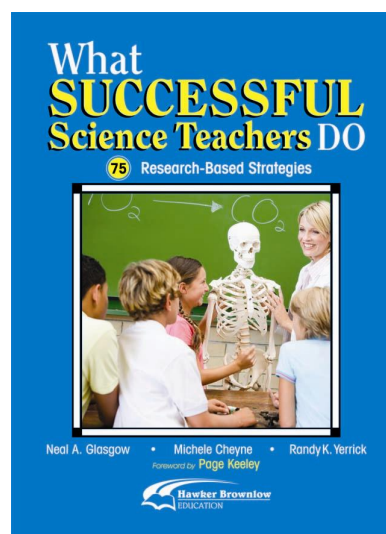


Hawker Brownlow Education

What Successful Science Teachers Do: 75 Research Based Strategies

Author: Neal A. Glasgow, Michele Cheyne & Randy K. Yerrick

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Category: Science
Subject: Inquiry



Summary:

This book describes 75 research-based strategies and outlines best practices for inquiry-oriented science. Each strategy includes a description of the supporting research, classroom applications, pitfalls to avoid and source citations for additional learning. Strategies include utilising graphic organisers, differentiation, mind mapping, the 5E model, enquiry based science utilising laboratory practice, and much more. The book encourages teachers to utilise technology within the classroom, employ collaborative teaching and learning, and be aware of student differences in terms of ability, readiness and gender, as well as cultural and economical differences.

Supporting Resources:

- *Activities for the Differentiated Classroom* (CO5479)
- *Differentiated Science Enquiry* (CO7535)
- *Formative Assessment Strategies for Enhanced Learning in Science, P-8* (CO8419)

Key Words:

Science, research-based, strategies, successful, research, differentiation, 75 research-based strategies, collaborative, technology, inquiry, instruction

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