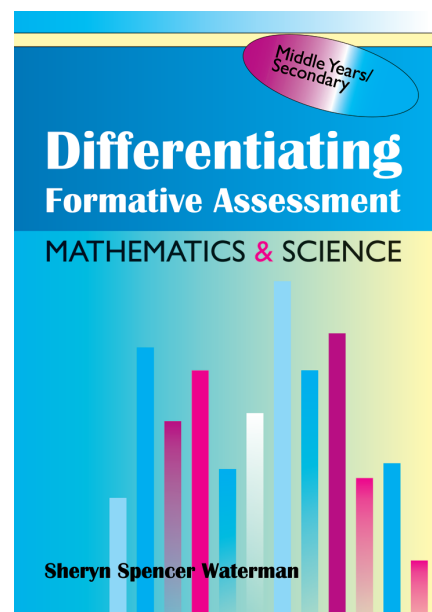


Hawker Brownlow Education

# Differentiating Formative Assessment for Mathematics & Science: Middle Years & Secondary

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## Summary:

For middle years and secondary school teachers of mathematics and science, this book is filled with examples of instructional strategies that address students' readiness levels, interests and learning preferences. It shows teachers how to formatively assess their students by addressing differentiated learning targets.

Included are detailed examples of differentiated formative assessment schedules, plus tips on how to collaborate with others to improve assessment processes. Teachers will learn how to adjust instruction for the whole class, for small groups and for individuals. They will also uncover step-by-step procedures for creating their own lessons infused with opportunities to formatively assess students who participate in differentiated learning activities.

Types of differentiated formative assessments within this book include: mastery-based assessments, such as direct instruction, games and graduated difficulty; understanding-based, such as compare and contrast, reading for meaning and problem based learning; self-expressive-based, such as inductive learning and metaphorical expression; and interpersonal-based, such as reciprocal learning and problem solving.

## Supporting Resources:

- *Differentiated Instruction for K–8 Maths and Science* (EYE9782)
- *Differentiating Assessment in Middle and High School Mathematics and Science* (EYE9973)
- *Differentiating by Readiness* (EYE9805)
- *Differentiating by Student Interest* (EYE9812)

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