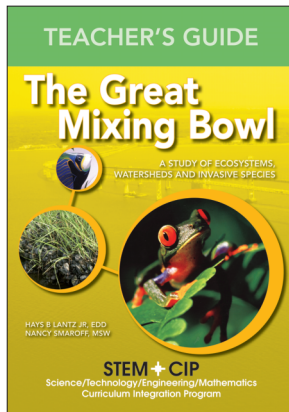


STEM CIP: The Great Mixing Bowl: Teacher's Guide with CD-ROM

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Summary:

STEM CIP (Science/Technology/Engineering/Mathematics Curriculum Integration Program) is an innovative approach to the design of curriculum and instructional materials in which the disciplines of science, technology, engineering and mathematics are viewed and taught as one. It is based on elements of *Understanding by Design*, the 5E learning and assessment cycle, and underpinned by inquiry-based instruction.

In this module, students study how living and non-living things interact in an ecosystem. Students design and construct a hydrometer and use it to measure different salinity levels in water samples. They then make decisions on how the hydrometer could be used to establish the correct salinity level for an aquarium. Finally, students classify animals according to how and what they eat, describe the interdependence of living things within an ecosystem and describe behavioural and physical adaptations of life forms.

This component is the Teacher's Guide, containing exercises, answers, background information and assessment rubrics. The companion CD-ROM includes useful PowerPoint teacher's aids.

Supporting Resources:

- *STEM CIP The Great Mixing Bowl: Student Data and Response Book* (CUR5401)
- *STEM CIP The Great Mixing Bowl: Student Curriculum Module* (CUR5395)
- *STEM CIP The Great Mixing Bowl: Complete Set* (CUR5264)



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