

THE SURVIVAL SERIES

Feb 2011

Challenge students to explore and apply important mathematics concepts in the context of engineering design and adventure!

- Uses hands-on maths to solve problems in exciting real-world settings
- Guides students through simulations of climbing Mt Everest, being stranded on an island in the South Pacific, and navigating the Amazon
- Gives students the opportunity to conduct mathematics investigations and use the engineering design process to solve problems they encounter along the way
- Requires students to work individually and in teams to design and implement solutions to problems using mathematical concepts and design experiments.
- Provides rubrics for each step of the Engineering Design Process, as well as Student Self-Assessment Rubrics and student work samples.
- Includes a poster illustrating the engineering design process and a DVD with classroom implementation samples

Survival: Amazon Mission, Years 7–9

ISBN: 9781742398334 • WAL8334

Using a limited set of resources and teamwork to prevail, students survive a shipwreck, help a native village deal with malaria, and confront the environmental hazards of gold mining.

Survival: Climbing Mount Everest, Years 7–9

ISBN: 9781742398327 • WAL8327

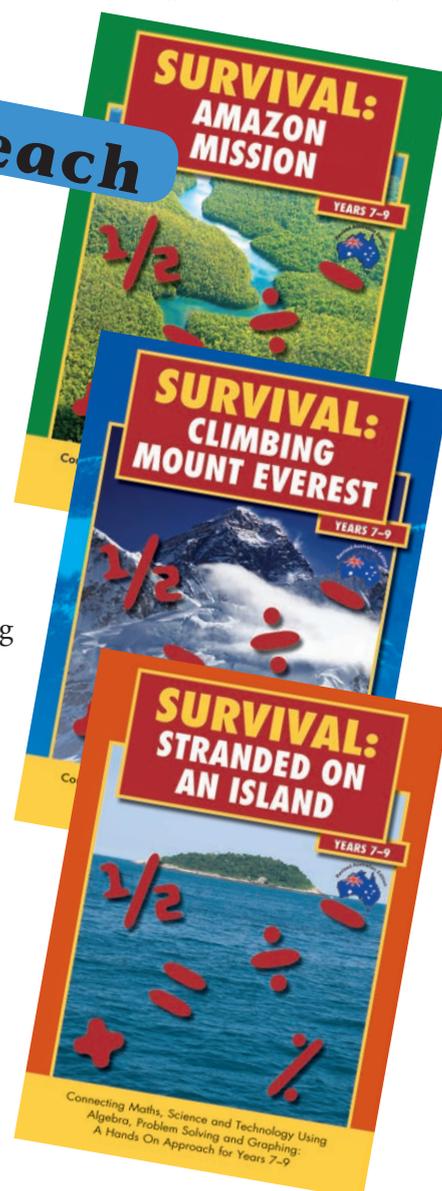
Overcoming the challenges of extreme weather and dangerous trail conditions along the way, students teams successfully “climb” Mt Everest along the way designing warm clothes, safe crossings across crevasses and transportation to get down the mountain.

Survival: Stranded on an Island, Years 7–9

ISBN: 9781742398310 • WAL8310

Finding themselves “stranded” on a stormy island in the Pacific, students learn how to survive by building shelter from a thunderstorm, designing a water catchment system and working with Maori people to safely load and provision small canoes.

\$39.95 each



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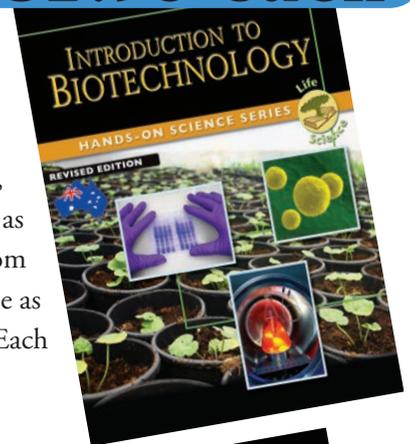
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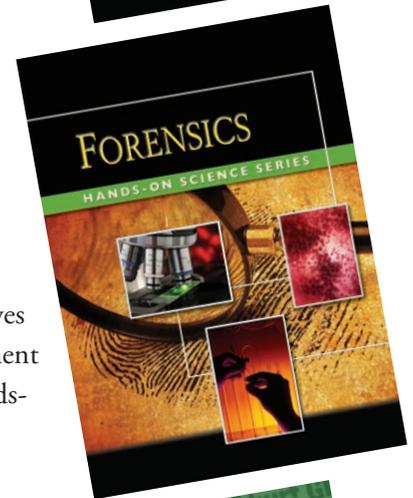
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