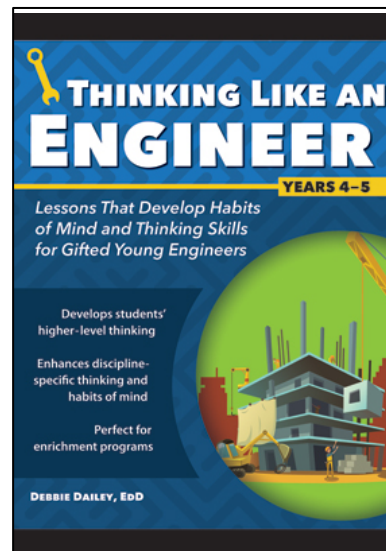


Thinking Like an Engineer: Lessons that Develop Habits of Mind and Thinking Skills for Gifted Young Engineers in Years 4–5

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Year Level:	4–5, Teachers and Administrators
Focus Area:	Activities and Exercises, Critical and Creative Thinking, Inquiry Learning, Gifted and Support
Key Learning Area:	Cross-Curricular, Mathematics, Science



Summary

Thinking Like an Engineer focuses on high-interest, career-related topics in the primary curriculum related to engineering. Students will explore interdisciplinary content, foster creativity and develop higher-order thinking skills with activities aligned to relevant learning area standards.

Students will complete design challenges, visit with an engineer and investigate real-world problems to plan feasible engineering solutions.

Thinking Like an Engineer reflects key emphases of curricula from the Center for Gifted Education at William & Mary, including the development of process skills in various learning areas and the enhancement of discipline-specific thinking and habits of mind through hands-on activities.

Thinking Like a Scientist:

- develops students' higher-level thinking
- enhances discipline-specific thinking and habits of mind
- perfect for enrichment programs.

Other Resources

- *Thinking Like a Geographer: Lessons that Develop Habits of Mind and Thinking Skills for Gifted Young Geographers in Years 2–3* (PRU9754)
- *Thinking Like a Mathematician: Lessons that Develop Habits of Mind and Thinking Skills for Gifted Young Mathematicians in Years 3–4* (PRU9761)
- *Thinking Like a Scientist: Lessons that Develop Habits of Mind and Thinking Skills for Gifted Young Scientists in Years 5–6* (PRU9785)