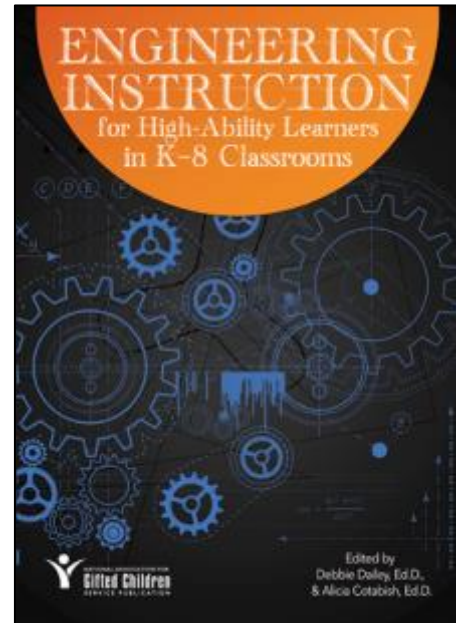


# Engineering Instruction for High-Ability Learners in K–8 Classrooms

Author(s): Debbie Dailey & Alicia Cotabish

**Date Available:** June 2017  
**ISBN:** 978 1 74239 669 9  
**Code/SKU:** PRU6699  
**RRP:** \$42.95  
**Format/Page No.:** B5, 234 pages  
**Year Level:** F–8, Teachers and Administrators  
**Focus Area:** Activities and Exercises, Classroom Practice and Direct Instruction, Curriculum, Professional Development  
**Key Learning Area:** Other



## Summary

*Engineering Instruction for High-Ability Learners in K–8 Classrooms* is an application-based practitioners' guide to applied engineering that is grounded in engineering practices found in curriculum standards. The book provides educators with information and examples on integrating engineering into existing and newly designed curriculum.

The book specifies necessary components of engineering curriculum and instruction, recommends appropriate activities to encourage problem solving, creativity and innovation, and provides examples of innovative technology in engineering curriculum and instruction. Additionally, authors discuss professional development practices to best prepare teachers for engineering instruction and provide recommendations to identify engineering talent among F–8 students. Finally, the book includes a wealth of resources, including sample lesson and assessment plans, to assist educators in integrating engineering into their curriculum and instruction.

## Other Resources

- *Integrating Engineering and Science in Your Classroom* (NST0904)
- *Everyday Engineering: Putting the E in STEM Teaching and Learning* (NST0577)
- *More Everyday Engineering: Putting the E in STEM Teaching and Learning* (NST1079)
- *Helping Students Make Sense of the World Using Next Generation Science and Engineering Practices* (NST1208)
- *Exemplary STEM Programs: Designs for Success* (NST9112)