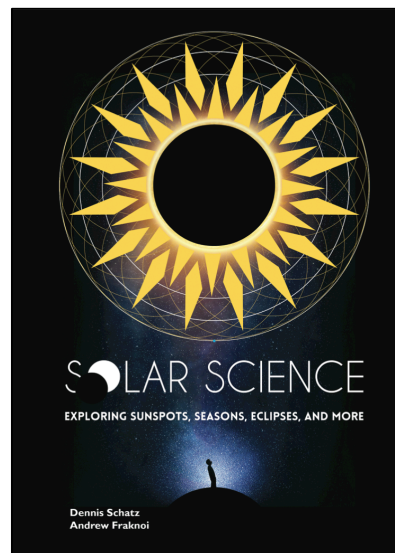


# Solar Science: Exploring Sunspots, Seasons, Eclipses, and More

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**Date Available:** 24 February 2016  
**ISBN:** 978 1 76001 894 8  
**Code/SKU:** NST8948  
**RRP:** \$55.95  
**Format/Page No.:** A4, 374 pages  
**Year Level:** 5–8, Teachers and Administrators  
**Focus Area:** Activities and Exercises, Classroom Practice and Direct Instruction  
**Key Learning Area:** Science



## Summary

Your middle years students will enjoy exploring the engrossing experiences in this versatile book. *Solar Science* offers 45 classroom-tested, hands-on, inquiry-based activities. The topics covered include the Sun's motions, space weather caused by the Sun, the measurement of time and seasons in our daily lives and the causes of both solar and lunar eclipses.

Authors Dennis Schatz and Andrew Fraknoi are award-winning experts in both astronomy and science education, so they know how to make the book both lively and practical by

- prompting students to work like scientists by asking questions, doing experiments, comparing notes, and refining and reporting results
- helping you make the most of every instructional minute with related writing projects, year level-appropriate maths examples and connections to music, art, fiction and history
- providing activities that support the three-dimensional learning encouraged by the Next Generation Science Standards and connect to the Common Core State Standards
- including a variety of easy-to-use resources, including age-appropriate web pages and real-time data from observatories and satellites.

*Solar Science* is ideal for teachers, informal science educators, youth group leaders, curriculum specialists and teacher trainers. You can use the activities one at a time, as the basis for a stand-alone unit on the Sun or celestial cycles, or together as part of a comprehensive curriculum. You get to determine the best way for your students to learn a lot while having fun with the Sun.

## Other Resources

- *Designing Effective Science Instruction: What Works in Science Classrooms* (NST0782)
- *The Everyday Science Sourcebook, Revised 2<sup>nd</sup> Edition: Ideas for Teaching in the Primary and Middle Years* (NST0980)
- *Brain-Powered Science: Inquiry Learning With Unexpected Results* (NST0805)