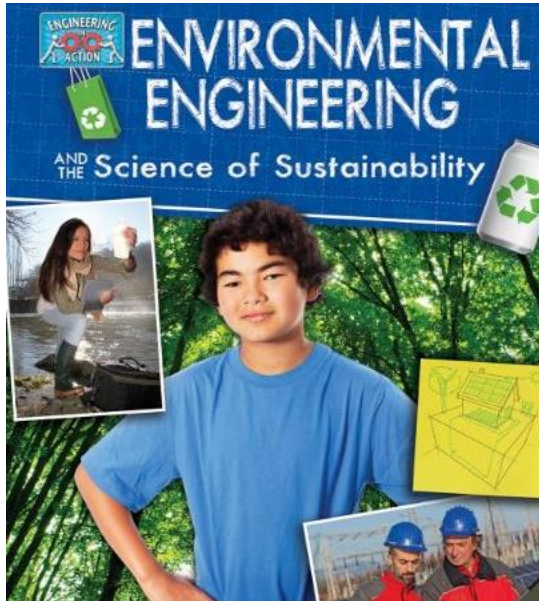


Discussion Guide for Families



Environmental Engineering and the Science of Sustainability

Author: Robert Snedden

Themes: Environment and Sustainability

Book Brief: Human activities have a huge impact on the Earth. Environmental engineers apply traditional engineering practices to help improve and prevent damage from humans and the waste we create to ecosystems and our environment. Readers will learn about how environmental engineering began, and the many processes environmental engineers apply to find sustainable solutions to problems. Real-life examples help students understand key concepts related to this important profession.

READ ALOUD

Before Reading: Build Background

- Discuss the field of environmental engineering and sustainability. Ask, "What other science fields are related to this area?"

While Reading: Make Connections

- Why do you think the concepts of environmental engineering & sustainability are important in today's world?
- Are the illustrations & examples helpful in understanding the concepts of environmental engineering & sustainability? Why?
- What are you learning about solar cookers, prototypes, waste management, desalination?

After Reading: Ask Questions

- Think about what you have read and create a chart of jobs that are now part of the environmental engineering & sustainability world. Jobs are always changing and new ones are being developed. The book outlined some. Perhaps you can do some additional research on other changing & developing jobs in this field.

RELATED ACTIVITIES

If your child enjoyed this book, consider:

- Encourage them to talk about it during other conversations.
- Check out RIF's [Sustainable Futures](#) center to learn more about sustainability with related books and resources.