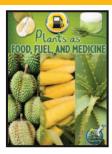
MY SCIENCE LIBRARY 4-5: PLANTS AS FOOD, FUEL, AND MEDICINE

TEACHER NOTES



Summary

This book explains the importance of plants on our planet and how they provide us with food, fuel, medicine and more!

| Guided Reading Level | Lexile Level | 100th word | Total Word Count |
|-----------------------------|--------------|----------------|------------------|
| W | 900 | flowering pg.5 | 816 |

Standards:

Common Core Language Arts

- Quote accurately from a text when explaining what the text says explicitly
- Draw two or more main ideas of a text and explain how they are supported
- Explain how an author uses reasons and evidence to support particular points

Common Core Science

- Knows that an organism's patterns of behavior are related to the nature of that organism's environment
- Knows the organization of simple food chains and food webs

Lesson Focuses for Guided Reading (Select lesson focus based on Student's needs)

| Writing Craft | Comprehension | Reading Strategies Decoding, & Phonics | Academic Vocabulary |
|---|--|--|--|
| Present information through contrast Present information through cause and effect | Summarizing information Cause and effect Inference | Locating known and unknown words Self-monitoring and self-correcting Reading text features | ban malaria biodiversity photosynthesis chlorophyll prototype combustion remedies ecosystem resources ethnobotany fossil fuels |

Lesson

- 1. Warm up for reading Students read familiar books independently.
- Introduction of Plants as Food, Fuel, and Medicine Introduce Plants as Food, Fuel and Medicine by looking at the cover photo and starting a discussion about what students know about the importance of plants.

Suggested questions to facilitate introductory conversation:

- Look at the illustration on the cover and the title of the book.
 What do you think this book is going to be about?
- Did you know that plants are used as food, fuel, and medicine?
 What do you know about this already?
- Do you know where plants grow? Do they grow in every environment?
- What questions do you have before we start reading?
- Skimming and Scanning Plants as Food, Fuel, and Medicine Use this time to introduce or review your lesson focus strategies and/or skills.

Suggested skimming and scanning prompts:

- Look at the glossary. Are there words in the glossary that are unfamiliar to you? Which ones?
- Look at the Table of Contents. What do you think we'll read about in the chapter, Healing the Planet?
- Take a minute and look at the pictures. Can you explain what is happening in any of them?
- Point out captions and any other text features. Ask students how these might support their learning.
- Reading Plants as Food, Fuel, and Medicine Students read independently or with a partner.

 After reading Plants as Food, Fuel, and Medicine — Open the conversation with a question that relates to the comprehension strategy of summarizing information and inferring. After a brief conversation about the contents of the book move to questions that support your lesson focus.

Suggested after reading content connection questions:

- Why do you think the author wrote this book?
- If nearly all food webs begin with plants, what can you infer about how things would be different if we lose plant species?
- Describe what happens when we burn fossil fuels. Use details from the text.
- What can you infer will happen if we continue to burn fossil fuels?
- Summarize some ways we use plants to heal.
- What are some other ways we could possibly power cars and jets in the future?

Suggested after reading lesson focus prompts:

- I noticed (student's name) using (reading strategy) while you were reading. Did it help with your reading? (Repeat this question to highlight different reading strategies or skills used by students.)
- What text features helped you? Tell us about it.
- Were you aware when you did not understand a piece of the text?
- How did self-monitoring help you? Did you find yourself having to reread parts of the text to gain more understanding?
- What specific parts did you find hard to understand?
- After Reading Application for Plants as Food, Fuel, and Medicine Have students complete the reproducible on Cause and Effect.

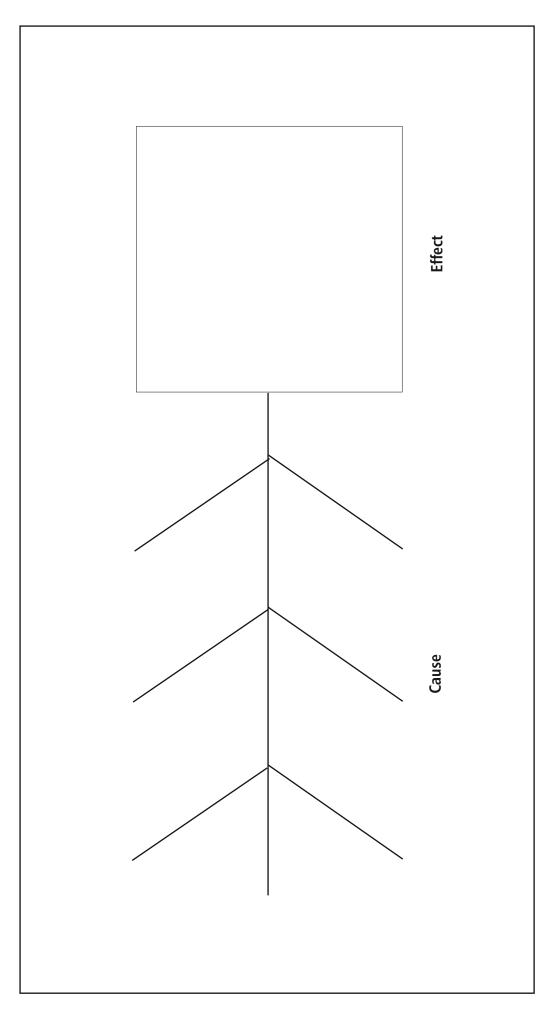


Name:

Date:

Plants as Food, Fuel, and Medicine

Directions: A fishbone chart is one way to organize multiple causes and one effect. Choose a cause-and-effect relationship from the book. Fill in the fishbone chart below. On the line beside each cause, add a detail giving more information about that event.



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