



## 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 biodiversity chlorophyll combustion ecosystem ethnobotany fossil fuels malaria photosynthesis prototype remedies resources

## Lesson

1. Warm up for reading – Students read familiar books independently.
2. 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?
3. 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.
4. Reading **Plants as Food, Fuel, and Medicine** – Students read independently or with a partner.

5. 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?
6. After Reading Application for **Plants as Food, Fuel, and Medicine** – Have students complete the reproducible on Cause and Effect.

# EXTENSION ACTIVITY - Plants as Food, Fuel, and Medicine

# 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.

