

Storing **CARBON**

Suggested Teaching and Learning

Text Type: Non-Fiction

Genre: Description

Suggested Reading Recovery Level: 5

Word Count: 111

ACARA reference

Learning Areas: English; Humanities and Social Sciences

General Capabilities: Literacy; Ethical Understanding

Cross Curriculum Priorities: Sustainability

Teaching and Discussion Points

Before reading - activate prior knowledge and set the purpose for reading.

- Read the title. Tell students that the grasslands on the cover keep a lot of carbon. You may want to refer to *Too much carbon* to remind students of the problem with carbon in the air.
- Tell students that forests and farms, along with grasslands, keep a lot of carbon and help keep the world clean.
- Ensure students know the three farm crops mentioned. Have them locate and say each word.

During reading - support students to read the text independently.

- Prompt for strategic activity as students read and problem solve. Reinforce and support behaviours such as stopping, repeating, re-reading, searching the picture or sounding out.

After reading - comprehension conversation and word work.

- Have students recall some of the plants that keep carbon.
- Discuss some of the things we can do to help keep the world clean, such as planting trees and gardens.

Vocabulary: cane, carbon, clean, farm, help, leaves, long, plants, rice, roots, stay, stem, sugar, wheat, world

High Frequency Words: at, in, is, keep, look, lots, need, of, on, the, this, to, will

Word Study

- Locate the words *stem* and *stay*. Notice the *st* blend. Make a list of other words that start with the same blend, such as *story*, *stick* and *stop*.
- Make a word string with the word *keep*, such as *deep*, *steep* and *beep*. Hear the rhyme and notice the pattern.

Links to National Literacy Progressions - Reading and Viewing

Phonological Awareness	Phonic Knowledge and Word Recognition	Fluency	Understanding Texts
PhA5	PKW4, PKW5	FIY2, FIY3	UnT4, UnT5

Carbon in the form of coal and other fossil fuels is burnt to give off the molecule carbon dioxide. Throughout this series we have referred to carbon dioxide as gas due to the complexity of both the science specific language and content.

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Plants

Plants need carbon to grow.





Where is the carbon?

The carbon is in the leaves.

The carbon is in the stem.

The carbon is in the roots.





leaves

stem

roots

The carbon will
stay in the plants.



This will help to
keep the world **clean**.



Forests have plants

Look at the trees.

The trees will

keep lots of carbon.



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Storing carbon is a simple informational text that introduces students to the concept of carbon sinks. Using plant life in forests, grasslands and farms, the text attempts to illustrate how plants store carbon dioxide, reducing its levels in the air, leading to a cleaner environment.

The Authors

Carole and Suzanne are sisters and educators.

Carole has over 30 years teaching experience. The last 15 years have been spent specialising in early literacy acquisition, training teachers and designing and delivering early reading and writing interventions. Carole has a Master of Education and a Master of Teaching English to Speakers of Other Languages.

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