

# Burning

# CARBON

## Suggested Teaching and Learning

**Text Type:** Non-Fiction

**Genre:** Description

**Suggested Reading Recovery Level:** 5

**Word Count:** 92

### 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 cover image is carbon burning in a fire and that we can burn carbon to make energy.
- Revisit *Electricity is energy* and revise what energy is and some things that need energy to work.
- Locate novel vocabulary such as *gas* and have students rehearse.

**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 things that need energy to work. Help them understand that electricity is a form of energy. Make a list of other things that need energy (electricity) to work.
- Turn to where gas (carbon dioxide) is discussed. Help students understand that the gas is part of air. The concept of air will be more familiar for them.
- Deepen meaning through shared writing. Jointly compose and construct two or three sentences about how burning carbon makes a gas which is in the air.

**Vocabulary:** burn, carbon, energy, gas, smell, smoke, wheelchair

**High Frequency Words:** and, can, fire, here, in, is, make, my, not, the, to, we, will

### Word Study

- Locate the words *smell* and *smoke*. Notice the beginning sm blend. Write other words that start with the same blend, such as *smile*, *smart* and *smack*.
- Make a word string with the word *see*, such as *bee*, *tree* and *free*. 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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# What is energy?

Energy makes my iPad work.

It makes my torch work.



Energy makes the car go.



It makes my dad's  
wheelchair go.



# Burning carbon

We can **burn** carbon  
to make energy.

Look at the fire.

We can burn carbon  
in the fire.



SAMPLE





We burn carbon here.



SAMPLE

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# Burning CARBON

**Burning carbon** is a simple informational text that describes how we can burn carbon in the form of coal and oil to generate electrical energy.

## 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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**Electricity is very dangerous**

Please read book 26

"TAKE CARE with ELECTRICITY"

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