

POP! TEACHER RESOURCE

Lesson Plan

Learning About Loaders

Lesson Plan for *Front-End Loaders*
Grade 1

Objective

To help students practice using an index to find key details about a specific topic.

Things Needed

- *Front-End Loaders* book
- Whiteboard
- Pencils and paper

Before the Activity

Read *Front-End Loaders* out loud to students. Then divide the class into four groups. Give each group a pencil and a sheet of paper.

Activity

Turn to the index on page 24. Use the following prompt:

- We are going to learn everything we can about loads. The index tells us where we can look in the book for information about certain topics. Which pages should we look at in order to learn about loads? (Answer: pages 6, 12, and 16–17)

Write these page numbers on the board. Turn to each of those pages and invite a student to read the text out loud. After reading each page, ask students what new thing they learned about loads. Write their answers on the board.

Then, give each group one of the following parts of a front-end loader to research: bucket levers, buckets*, cabs, or lift arms. Students should use the index to find the page numbers where information on that topic can be found. Students should write those page numbers on the sheet of paper. Then, students should go to those pages to learn about their specific topic. Students will write down information about their topic on the sheet of paper. Give each group plenty of time for research and writing. Then, go around the room and ask each group to share what it learned with the whole class.

*This topic is the most difficult. It might be best for a group of more advanced or driven students.



Evaluation

Could students use the index to locate information in the text about their topic? Could students identify new details about their topic on each page? Use the answer key to evaluate each group's answers.

Answer Key

Topic: Bucket Levers

Page Numbers: 14, 15–17

Information: Bucket levers move the bucket forward and backward (p. 15). Bucket levers tip backward for the bucket to scoop up a load (p. 16). Bucket levers tip forward for the bucket to pour out a load (p. 17).

Topic: Buckets

Page Numbers: 12, 14, 15–17, 21

Information: The bucket carries the load (p. 12). Different buckets help with different jobs (p. 12). Some buckets move sand or trash (p. 12). The bucket is moved by the lift arms and the bucket lever (p. 15). Buckets can scoop up loads (p. 16) or pour out loads (p. 17). Buckets can be added to tractors to make a front-end loader (p. 21).

Topic: Cabs

Page Numbers: 10, 11, 14, 15

Information: The cab is where the driver sits (p. 10). The driver uses the cab to control the loader's movement (p. 10). The cab is what the lift arms connect to and stick out from (p. 15).

Topic: Lift Arms

Page Numbers: 14, 15, 21

Information: The lift arms extend from the cab (p. 15). They move the bucket up and down (p. 15). Lift arms can be added to tractors to make a front-end loader (p. 21).

Standards

This lesson plan may be used to address the Common Core State Standards' reading standards for informational texts, grade 1 (RI 1.2, 1.5).

