Day 1: "The Serum Run to Nome"

Begin lesson

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Begin lesson

Teaching notes

Click the "Begin lesson" button to view this lesson. Teaching notes for each slide will appear in this box.

Before the Lesson

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Before the Lesson

Anchor Text

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Teaching notes

Download and print copies of the anchor text for each student.

Student Notes Sheet

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formative assessment.

- This guided notes sheet provides students with the text-dependent questions associated with this lesson, and relevant graphic organizers. You may modify these sheets as needed.
- During class, students can use these sheets to record their responses, notes, or ideas. Use the back to record responses to the focus question.
- Following class, collect student notes to use as a

Getting Started

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Teaching notes

Getting Started

Introduction 1 of 3

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- Informational article by Michael Signal
- Details the spread of diphtheria in Alaska during the 1920s

Teaching notes

Pacing: 15 minutes

Notes:

- Tell students that this week they will be reading one article closely. Distribute copies of the article and student worksheets.
- Read the article aloud. Remind students to follow along with the text as you read aloud. Briefly pause

to define words in Quadrant 1. This should not interrupt the flow of the reading, or be a class discussion. Encourage students to circle other unfamiliar words as the text is read.

- Tell students that they will now go back to the section titled "A Deadly Disease Spreads" and read it closely as you ask a series of questions. Let them know that sometimes you will be talking about the questions, and writing, or taking quick notes about, the answers.
- Instead of reading the text aloud, you may show the read aloud video.

Introduction 2 of 3

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THE SERUM RUN TO NOME

A Deadly Disease Spreads

Even in most modern cities in the 1920s, diphtheria was a very dangerous and contagious disease. So when diphtheria broke out in the remote Alaskan town of Nome in 1925, it could have been devastating. Doctors knew how to treat diphtheria, and their patients would usually make full recoveries if the disease was treated in time.

- We will focus on the section "A Deadly Disease Spreads"
- Reread that section on your own.

Teaching notes

Pacing: 15 minutes

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- Read the article aloud. Remind students to follow along with the text as you read aloud. Briefly pause

to define words in Quadrant 1. This should not interrupt the flow of the reading, or be a class discussion. Encourage students to circle other unfamiliar words as the text is read.

- Tell students that they will now go back to the section titled "A Deadly Disease Spreads" and read it closely as you ask a series of questions. Let them know that sometimes you will be talking about the questions, and writing, or taking quick notes about, the answers.
- Instead of reading the text aloud, you may show the read aloud video.

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Teaching notes

Pacing: 15 minutes

Notes:

- Tell students that this week they will be reading one article closely. Distribute copies of the article and student worksheets.
- Read the article aloud. Remind students to follow along with the text as you read aloud. Briefly pause

to define words in Quadrant 1. This should not interrupt the flow of the reading, or be a class discussion. Encourage students to circle other unfamiliar words as the text is read.

- Tell students that they will now go back to the section titled "A Deadly Disease Spreads" and read it closely as you ask a series of questions. Let them know that sometimes you will be talking about the questions, and writing, or taking quick notes about, the answers.
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Exploring the Text

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Exploring the Text

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According to the article, why is diphtheria a dangerous illness?

Teaching notes

Pacing: 5 minutes

Standard: RI.5.1

Purpose: The purpose of this question is for students to use information from the text in order to understand why the lack of serum created such a problem in Nome.

Answer:

- Highly contagious
- Causes damage to organs
- Can be deadly

Look for students....

• Explaining the danger of diphtheria, using textual evidence.

Guiding questions and prompts:

- If students struggle, draw their attention to the text box beside section 1. Ask students, "What is diphtheria?"
- Ask students, "What areas of the body are infected by the disease?"
- Ask students, "How is the disease spread?"

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How would you describe the town of Nome?

Teaching notes

Pacing: 5 minutes

Standard: RI.5.1

Purpose: This question is designed to help students understand that the town's location contributed to the problem of not being able to get the serum to doctors.

Answer:

- Snowy weather
- Freezing temperatures
- Remote region

Look for students....

- Identifying Nome as a remote region in Alaska.
- Recognizing that the word 'remote' has multiple meanings. In this case, it means far away or isolated.

Guiding questions and prompts:

Ask students, "Where is Nome located?"

Additional Notes:

Students will need background knowledge of the word "remote" as it is used in this article.

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Why did doctors in Nome need the serum?

Teaching notes

Pacing: 5 minutes

Standard: RI.5.1

Purpose: This information is important to know because it provides the context for the problem of the story, which is finding a way to get the serum to Nome.

Answer:

- Doctors did not have a supply on hand.
- Disease continued to spread without the serum.

Look for students....

 Making a cause/effect connection between the doctors not having a supply of serum on hand, and the disease continuing to spread throughout the town.

Guiding questions and prompts:

- Ask students, "What is a serum?"
- Point out that diphtheria is a very contagious disease. Ask students, "What does "contagious" mean?"

Additional Notes:

• This question provides an opportunity to embed a mini-lesson on cause/effect relationships.

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Why was it important for the serum to be administered quickly?

Teaching notes

Pacing: 10 minutes

Standard: RI.5.1

Purpose: This information is important for students

to know because it provides background

information to help answer the focus question.

Answer:

- Impacts how quickly a patient recovers
- Impacts how much damage is done to the patient's organs

Look for students....

Citing evidence from the text which identifies the impacts of receiving the serum quickly.

Guiding questions and prompts:

- Prompt students to find where it talks about the serum being administered in the text.
- Ask students, "What does "administered" mean?"

Focus Question

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Focus Question

Focus Question

Card 15 of 17

Why was the outbreak in Nome potentially devastating?

Teaching notes

Pacing: 20 minutes

Standard: RI.5.1

Purpose: Students will use information from the text related to why the outbreak was such a problem for Native Alaskans as they begin to explore the underlying idea of perseverance, which comes up in the other days' focus questions, and the culminating task.

Answer:

The outbreak of diphtheria in Nome was potentially devastating for many reasons. Doctors did not have a supply of serum on hand, and the area was so remote that it was almost impossible to transport the medicine. As a result, the disease spread quickly, and the death rate continued to rise. These factors created a bleak situation for the citizens of Nome.

Look for students....

- Citing evidence to identify why the outbreak was devastating.
- Synthesizing a cause/effect relationship between the lack of serum, and the disease continuing to spread.

Additional Notes:

- This lesson provides an opportunity to embed a mini-lesson on cause/effect relationships.
- Give students time to return to the text to gather evidence. Encourage them to reread the section.
- Provide students time to write the response independently.
- This response should be in writing so the teacher can assess each student's understanding.

After the Lesson

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After the Lesson

Teaching notes

Comprehension Skill Video

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Visit https://haywood.lzill.co/r/24105

Teaching notes

Use this video as an intervention tool for students who struggle to answer the focus question. The video uses a metacognitive approach to model the targeted reading comprehension skills.