

TEACHER KEY: CHART FOR CAUSE AND EFFECT READING

Changes in the Salinas Economy: Understanding a cause and effect reading

Question: How did the railroad change the economy of the Salinas community?

Cause (or Because)	Effect	Possible Questions and/or Conclusions
The railroad came to Salinas around 1872.	So this meant farmers could grow large amounts of wheat and barley	<i>What crops did farmers grow?</i>
	and ship them farther and faster to new markets	<i>Where did farmers ship their wheat?</i>
Later, farmers developed ways to irrigate (water) crops,	so they began to raise sugar beets.	<i>What do sugar beets taste like? How do they make them into sugar?</i>
because they could ship sugar beets by railroad and sell them at a good price to a sugar beet factory nearby.	They (farmers) chose to raise sugar beets	<i>To whom does the they refer? How much more money did farmers make growing sugar beets?</i>
Then the railroad companies designed refrigerated cars with ice,	so farmers began to ship vegetables to many places farther away.	<i>The vegetables would stay fresher. What happens if we leave a head of lettuce out on the counter for two days?</i>
because the refrigeration kept the vegetables fresh.	Farmers began shipping huge amounts of vegetables, especially lettuce,	<i>Had people not eaten much lettuce? Why did people outside of California want lettuce?</i>
Farmers began shipping huge amounts of vegetables, especially lettuce,	So then Salinas became known as "The Salad Bowl of the Nation."	<i>Salinas was sending a lot of fresh lettuce to new places. Farmers were making more money. Salinas became important for shipping vegetables across the U.S.</i>
In conclusion, these changes	meant that Salinas' farmers were now growing new kinds of crops, shipping them farther, and making more money. Thus Salinas became a very important supplier of vegetables for the nation.	<i>The Salinas economy was stronger. America needed the vegetables from Salinas.</i>

TEACHER KEY: Student Writing

Question: How did the railroad change the economy of the Salinas community?

When the railroad was built it meant farmers could grow large amounts of wheat and barley and ship them farther and faster to new markets. With irrigation farmers could grow sugar beets. These could then be shipped by the railroad to a nearby sugar beet factory and sold for a good price. With the refrigerated railroad cars, farmers could ship vegetables to many places farther away. When they started shipping large amounts of lettuce, Salinas became "The Salad Bowl of the Nation". So in conclusion, this meant that Salinas' farmers were now growing new kinds of crops, shipping them farther, and making more money. Thus, Salinas became a very important supplier of vegetables for the nation.

DAY 2/3

Materials: Crew photos, Steam train photos, Caboose photos: pp. 33-42

Student worksheets for Caboose crew jobs, Caboose photo chart, written assessment

Teacher keys for Crew photos, Caboose crew jobs, Caboose photo chart, written assessment

Procedure:

1. The Crew Jobs on Steam trains.

*So we've learned what a big change the railroads brought to the people and the economy of Salinas. The first trains were important to Salinas. They were steam trains and needed a crew to make them run well. (Show photos) What do you know about train jobs? (Discuss) The jobs on the steam train were the **engineer, brakeman, fireman, and conductor.** (Pass out Crew Jobs on steam trains worksheet.) We will fill this worksheet out as I read the job descriptions. (Have a copy on the document camera to help students follow along. Some items are named in the chart others are to be filled in.)*

(Next paragraph, teacher reads aloud then teacher and class read together.)

*The **conductor** is like a captain on a ship. He is in charge of the whole train and everyone on it. . . . He watches the whole train to make sure everything is working well. Other duties include signaling the engineer to start or stop the train; keeping a log of the journey; and keeping records of cargo loading and delivery. He makes sure the train stays on schedule. The conductor needs a place to do his job and he, along with the crew needs a place to live during the trip.*

*The **engineer** is the driver. He watches the train and the track and knows the right speed for the route. He also blows the whistle to let people know the train is coming. So what do we need to add for the engineer? Keeps the right speed, yes. Blows the whistle to let people know the train is coming. (Teacher writes on his/her copy.)*

*When it's time to stop the train, **two brakemen** set the hand brakes on the tops of the train cars. They also help other crew members during the trip such as helping the conductor collect tickets and signaling to the train operators while performing switching operations.*

*The **fireman** watches the steam pressure of the engine. The steam pressure is very important since steam provides the power for the train. The fireman shovels coal into the firebox of the engine, and the coal is burned to heat the water to make steam. The fireman also helps the engineer.*

(Show crew photos)

The conductor needs a place to do his job. The conductor and crew need a place to live during trips. That special place was the caboose.

2. The Caboose

The **caboose** was a very special part of the train. It was the conductor's office and living quarters for people who worked on the train.. All the crew and the parts of the train were important but why was the caboose was especially important? (Show photos of outside of the caboose.)

First, let's see what's inside the caboose. I'm going to show you photographs from a real caboose and we'll see what the inside looked like. Then we'll take a close look at the conductor's duties and everyone's life on the train so we can figure out why they needed different things. (Pass out caboose photo chart.)

So first we'll look at the photos and write what each one is on our charts. (1st column.)

(Show photos of interior and exterior of the Caboose on the document camera and name the parts of the Caboose. Student sheet: they list the items from the photos in order.)

Now let's go back to the conductor's work and decide which of these Caboose things in the photos he needed to conduct his train business and which he and the crew needed to live. Review list the duties and needs (e.g. a place to live during the trips) of the conductor and crew. Discuss the last column of the chart explaining what justification means.

STUDENT CHART: CREW JOBS ON A STEAM TRAIN

NAME _____

DATE _____

<p style="text-align: center;"><u>CONDUCTOR'S JOB</u></p> <ul style="list-style-type: none">• <u>LIKE THE CAPTAIN OF A SHIP</u>• <u>SIGNALS ENGINEER TO START OR STOP THE TRAIN</u>• <u>KEEPS A LOG OF THE JOURNEY</u>• _____• _____	<p style="text-align: center;"><u>ENGINEER'S JOB</u></p> <ul style="list-style-type: none">• <u>THE DRIVER</u>• <u>WATCHES THE TRAIN AND TRACK</u>• _____• _____• _____
<p style="text-align: center;"><u>TWO BRAKEMEN'S JOBS</u></p> <ul style="list-style-type: none">• <u>SET HAND BRAKES ON TOP OF TRAIN</u>• _____• _____	<p style="text-align: center;"><u>FIREMAN'S JOB</u></p> <ul style="list-style-type: none">• <u>ASSISTS ENGINEER</u>• <u>WATCHES STEAM PRESSURE OF ENGINE</u>• _____• _____

STUDENT CHART FOR CABOOSE PHOTOS

Why was the caboose important to the train crew?

Name _____

Date _____

Photo shows the Caboose had	Used for conducting business or living	Justification: Why you decided item was for business or living
desk	Business	Where conductor could write in ledger
water supply and sink		
desk organizer		
chamber pot		
lanterns and equipment		
bed folded into bench		
hanging bed		

Teacher Key: Crew jobs on steam train

CONDUCTOR'S JOB

- LIKE THE CAPTAIN OF A SHIP
- SIGNALS ENGINEER TO START OR STOP THE TRAIN
- KEEPS A LOG OF THE JOURNEY
- KEEPS RECORDS OF CARGO LOADING AND DELIVERY
- MAKES SURE THE TRAIN STAYS ON SCHEDULE

ENGINEER'S JOB

- THE DRIVER
- WATCHES THE TRAIN AND TRACK
- KEEPS THE RIGHT SPEED
- BLOWS WHISTLE TO LET PEOPLE KNOW TRAIN IS COMING

TWO BRAKEMEN'S JOBS

- SET HAND BRAKES ON TOP OF TRAIN
- HELPS OTHER CREW MEMBERS

FIREMAN'S JOB

- ASSISTS ENGINEER
- WATCHES STEAM PRESSURE OF ENGINE
- SHOVELS COAL OR WOOD INTO FIREBOX

Teacher Key for Caboose Photos

Why was the caboose important to the train crew?

Photo shows the Caboose had	Used for conducting business or living	Possible Justification: Why you decided item was for business or living
desk	business	where conductor could write in ledger
Water supply and sink	living	The crew needed water for drinking, washing and cooking.
Potbelly stove	living	It's for cooking the crew's meals.
Desk Organizer	business	to keep cargo records and keep the train on schedule
Table and Place setting	living	for eating their meals
Chamber pot	living	place to go to the bathroom
Ice box With ice	living	keeping food fresh
Lanterns and equipment	business	to signal engineer
Bed folded into bench	living	for sitting when bed isn't needed
Hanging bed	living	for sleeping

**STUDENT COPY: SHORT WRITTEN ASSESSMENT FOR
TRAIN CREW JOBS AND CABOOSE**

Name _____

Date _____

Think what you've learned about the jobs the conductor had on the train and write about two of his jobs.

Then think about the caboose and the reasons it was important and write about two reasons the caboose was important to the crew.

You may use the work you've done today for this.

The conductor was important to the train because he _____
(name one job he did)

_____ and because he _____
(name another job he did)

The caboose was important to the train crew because _____
(give one example of the importance of the caboose to the train crew)

_____ and because _____
(give another example of the importance of the caboose to the train crew)

TEACHER KEY FOR WRITTEN ASSESSMENT

For the conductor, students may use any of the conductor's jobs listed on the Crew Jobs page. For the Caboose, students may use information from the photos and chart.

Think what you've learned about the jobs the conductor had on the train and write about two of his jobs.

Then think about the caboose and the reasons it was important and write about two reasons the caboose was important to the crew.

You may use the work you've done today for this.

The conductor was important to the train because he (any two of the following) is like the captain of a ship, signals engineer to start or stop the train, keeps a log of the journey, keeps records of cargo loading and delivery, makes sure the train stays on schedule. *(name two jobs he did)*

The caboose was important to the train crew because they needed a place to eat and sleep, the conductor needed a place to do his job. They needed a place to live, and other examples students might choose from crew jobs. *(give two examples of the importance of the caboose to the train crew)*