



Virtual
Field Trips



Westward by Rail



Roper Mountain
Science Center

RoperMountain.org



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Teaching Guide: Westward by Rail

Program Description:

Thank you for choosing our Westward By Rail Program. In this lesson students will explore the technological advances made during westward expansion of the 19th century and their impact on history of the United States. They will learn about the economics of railroad building, the challenges faced by both railroad companies, and see for themselves the lasting legacy of the Transcontinental Railroad.

National US History Social Studies Standards:

NSS-USH.5-12.4 ERA 4:

Expansion and Reform (1801-1864)

NSS-USH.5-12.4 ERA 6:

The Development of the Industrial United States (1870-1900)

South Carolina Standards Addressed:

5-2.1

Analyze the geographic and economic factors that influenced westward expansion and the ways that these factors affected travel and settlement, including physical features of the land; the climate and natural resources; and land ownership and other economic opportunities.

5-2.2

Summarize how technologies (such as railroads, the steel plow and barbed wire), federal policies (such as subsidies for the railroads and the Homestead Act), and access to natural resources affected the development of the West.

5-2.3

Identify examples of conflict and cooperation between occupational and ethnic groups in the West, including miners, farmers, ranchers, cowboys, Mexican and African Americans, and European and Asian immigrants.



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Before the Program Instructions:

Print Exhibit A for pairs of students (1 map per 2 students)

Instructions for Day of the Program:

- Arrange students in 5 groups
- Each group and student will ideally be visible from the webcam.
- Distribute map with proposed routes to pairs

Room arrangement:

Students should be paired in a partner group for discussion. Groups of two or three students will be sufficient. One copy each of the following maps, flyers, etc. should be distributed to students prior to the start of the program. Students will be “acting out” various motions related to the construction of the railroad; please have adequate space for students to perform.

Printed materials:

Exhibit A: 1853 Outline map of the United States showing proposed railroad routes to the Pacific

Exhibit B: Beyond the Mississippi

Exhibit C: Union Pacific Poster

Exhibit D: Union and Central Pacific Railroad Line

Exhibit E: “Does not such a meeting make amends?”



BEYOND THE MISSISSIPPI!

A COMPLETE HISTORY OF THE NEW STATES AND TERRITORIES,
FROM THE GREAT RIVER TO THE GREAT OCEAN.

Life and Adventure on Prairies, Mountains, and the Pacific Coast,
WITH OVER TWO HUNDRED DESCRIPTIVE AND PHOTOGRAPHIC VIEWS

OF THE
**Scenery, Cities, Lands, Mines, People and Curiosities of
the New States and Territories.**

BY **ALBERT D. RICHARDSON.**

ITS POPULARITY IS ATTESTED BY THE SALE OF OVER 20,000 COPIES IN A MONTH!

The Author's long and varied experience in the little known and interesting regions of the Far West furnishes the valuable material for this **GREAT WORK.**

In 1827 he went to Kansas, and remained two years as Special Correspondent of *The Boston Journal*. On the discovery of Gold at Pike's Peak, in 1839, a great rush to that region instantly followed, founding the new State of Colorado in the heart of the Rocky Mountains. With characteristic love of adventure, Mr. Richardson, with Horace Greeley, joined the new mines in one of the first coaches that ever crossed the Great Plains, and joined in a report of their yield and prospects, which was published in every part of the Union.

After spending some time among buffaloes, Indians, and gold-diggers, Mr. Greeley went on to California, and Mr. Richardson returned to St. Louis. Next he visited the Great Iron Mountains, and then the rich Lead Regions of Missouri—went to Fort Smith, Arkansas—passed into the Indian Territory, where he studied the character and habits of the civilized tribes—the Choctaws, Chickasaws, and Chickasaws—then journeyed slowly the whole length of Northern Texas, and crossed the Great Staked Plain to the Rio Grande. He visited the ancient city of El Paso, Mexico, the third settlement by Europeans on our continent, and as un-American as Constantinople itself. He went up the Rio Grande the entire length of New Mexico, via Santa Fe. At Taos he spent some weeks with the "black-robed" monks, and then, after a ride to the "black-robed" monks, he travelled about 400 miles along Indian trails among the mountains, through dangers from snow and hostile savages, to Denver (St. Colorado).

As a *Tribune* correspondent, he again spent the summer of 1860 in Colorado, recording its strange places of life—the sudden growth of cities, the terrible punishment of criminals by truck law, Indian hostilities, etc., etc.

In 1845, he accompanied "the Oxbow party" among Colorado Mines, Utah Mormons, Nevada Quartz Mills, and the wonderful scenery of California, Washington Territory, Oregon, and Vancouver Island. No company ever crossed the continent, meeting everywhere with such enthusiastic receptions and such facilities for studying the scenery, resources, and society of the Far West. After his companions returned home, Mr. Richardson revisited Utah, and travelled for several months in the new, rich Territories of Montana and Idaho, and passed down the Columbia River and the North Pacific to San Francisco.

In 1860, he travelled through Kansas, Nebraska, etc., revisiting the scenes of nine years before, and studying the progress and prospects of the various branches of the great Pacific Railroad, which is now employing over twenty-five thousand labourers, who are pushing it forward from both ends. Its iron bands will soon span the continent, and the locomotive run from ocean to ocean.

These New States and Territories contain incomparably the grandest scenery in the world, and the richest resources of the American Continent. Probably no other man has spent so much time, or journeyed so extensively among them, as Mr. Richardson—certainly no one so competent to describe what he has seen. Last year his letters "From the Missouri to the Pacific," attracted general attention.

To prospective emigrants and settlers in the "Far West," this History of that vast and fertile region will prove an invaluable assistance, supplying, as it does, a want long felt—of a full, authentic, and reliable guide to climate, soil, products, distances, localities, means of travel, etc., etc., with an elaborate description of its wonderful resources and undeveloped wealth. **NEW PUBLISHED BOTH IN ENGLISH AND GERMAN.**

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PLEASE POST THIS UP IN A CONSPICUOUS PLACE.

1869. MAY 10TH. 1869.

Great Event!
RAIL ROAD FROM THE
ATLANTIC TO THE PACIFIC
GRAND OPENING
OF THE



Via Omaha and Platte Valley.

PASSENGER TRAINS LEAVE

OMAHA

ON THE ARRIVAL OF TRAINS FROM THE EAST.

THROUGH TO SAN FRANCISCO IN LESS THAN FOUR DAYS

Avoiding the Dangers of the Sea!

TRAVELERS FOR PLEASURE, HEALTH OR BUSINESS WILL FIND A TRIP OVER THE ROCKY MOUNTAINS HEALTHY & PLEASANT

LUXURIOUS CARS AND EATING HOUSES ON THE UNION PACIFIC R. R.

PULLMANS' PALACE SLEEPING COACHES run with all THROUGH PASSENGER TRAINS

GOLD, SILVER & OTHER MINERS

Now is the time to seek your Fortunes in Nebraska, Wyoming, Arizona, Washington, Dakota, Colorado, Utah, Oregon, Montana, N. Mexico, Idaho, Nevada or

CALIFORNIA!

CONNECTIONS MADE AT CHEYENNE FOR

DENVER, CENTRAL CITY & SANTA FE.

At Ogden & Corinne for **HELENA, VIRGINIA CITY, S. LAKE CITY** and Arizona.

THROUGH TICKETS for sale at all principal Railroad Offices. Be sure that they read Via **PLATTE VALLEY** or **OMAHA.**

COMPANY'S OFFICE 72 LA SALLE ST., OPPOSITE CITY HALL AND COURT HOUSE SQUARE, CHICAGO. CHARLES E. NICHOLS, TICKET AG'T.

A. H. COOKE,

Trunking Ag't, N. Capital Hotel & Casino, Office, 17 Washington St., Berlin.

JOHN P. HART,

Gen. Travelling Ag't, 72 La Salle St., Chicago.

J. BUDD,

Gen. Ticket Ag't, Omaha, Neb.

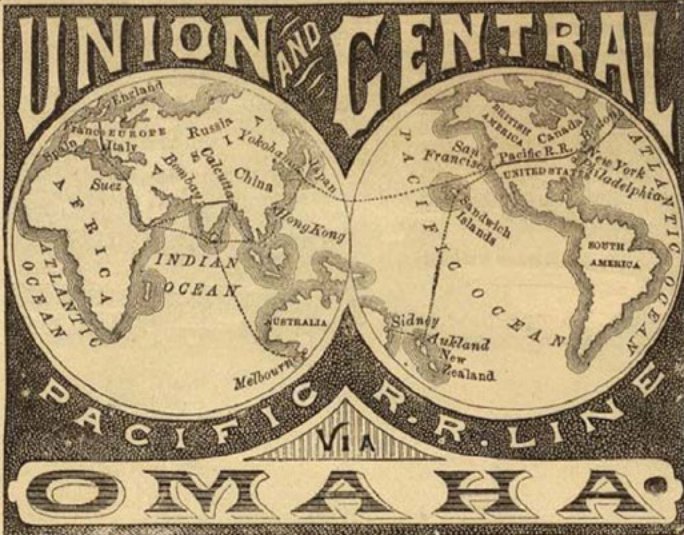
W. SNYDER,

Gen. Superintendent, Omaha, Neb.

Horton & Leonard, Railroad Printers, 104 and 106 Randolph Street, Chicago.

Exhibit C: Union Pacific Poster

The Only Great Through All Rail Route
ACROSS THE CONTINENT,
 IS THE



226 MILES SAVED
 BY TAKING THIS ROUTE TO
SALT LAKE CITY, SACRAMENTO,
SAN FRANCISCO,
 AND ALL POINTS IN THE

Sandwich Islands, Australia, New Zealand,
JAPAN, CHINA & INDIA
 From CHICAGO and Eastern Cities.

135 Miles the SHORTEST Route from
INDIANAPOLIS.

117 Miles the SHORTEST Route from
CINCINNATI.

25 Miles the SHORTEST Route from
ST. LOUIS AND KANSAS CITY.

FIVE HOURS the QUICKEST Route
FROM CHICAGO TO
DENVER, COLORADO,
NEW MEXICO AND ARIZONA.

Excursions to DENVER and SALT LAKE, in parties of 20 or more, and to CALIFORNIA and back, can be arranged by addressing
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Ass't G. T. A. *Gen'l Ticket Agent, OMAHA.*

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 in the World.



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 in the World.

These cars are so constructed as to combine the convenience and elegance of a private parlor by day, and the comforts of a well-furnished bed chamber by night—clean bedding, thick hair mattresses, thorough ventilation, etc., etc. Conductors and porters accompany each car, to provide for the wants of passengers.

DOUBLE BERTHS.

| | |
|--|--------|
| New York to Chicago or St. Louis,..... (currency,) | \$5 00 |
| Chicago or St. Louis to Omaha,..... | 3 00 |
| Omaha to Ogden,..... | 8 00 |
| Ogden to San Francisco,..... | 6 00 |

DENVER PACIFIC R. R. TIME TABLE.

| Fr't. | Exp. | M. | Going N'th. | STATIONS. | Going S'th. | Exp. | Fr't. |
|-------|-------|-----|-------------|---------------------|-------------|------|-------|
| A.M. | A.M. | | Leave. | | Arrive. | P.M. | P.M. |
| 7 15 | 8 10 | | | Denver,..... | | 6 30 | 4 50 |
| | 8 20 | 2 | | Outer Depot,..... | | 6 15 | |
| | 9 00 | 19 | | Hughes,..... | | 5 30 | |
| | 9 30 | 32 | | Johnson,..... | | 4 57 | |
| | 10 06 | 48 | | Evans,..... | | 4 17 | |
| 11 45 | 10 16 | 52 | | Greeley,..... | | 4 05 | 12 05 |
| | 10 50 | 66 | | Pierce,..... | | 3 28 | |
| | 11 33 | 86 | | Carr,..... | | 2 40 | |
| | 11 55 | 96 | | Summit Siding,..... | | 2 10 | |
| 4 30 | 12 25 | 106 | | Cheyenne,..... | | 1 45 | 6 40 |
| P.M. | P.M. | | Arrive. | | Leave. | P.M. | A.M. |

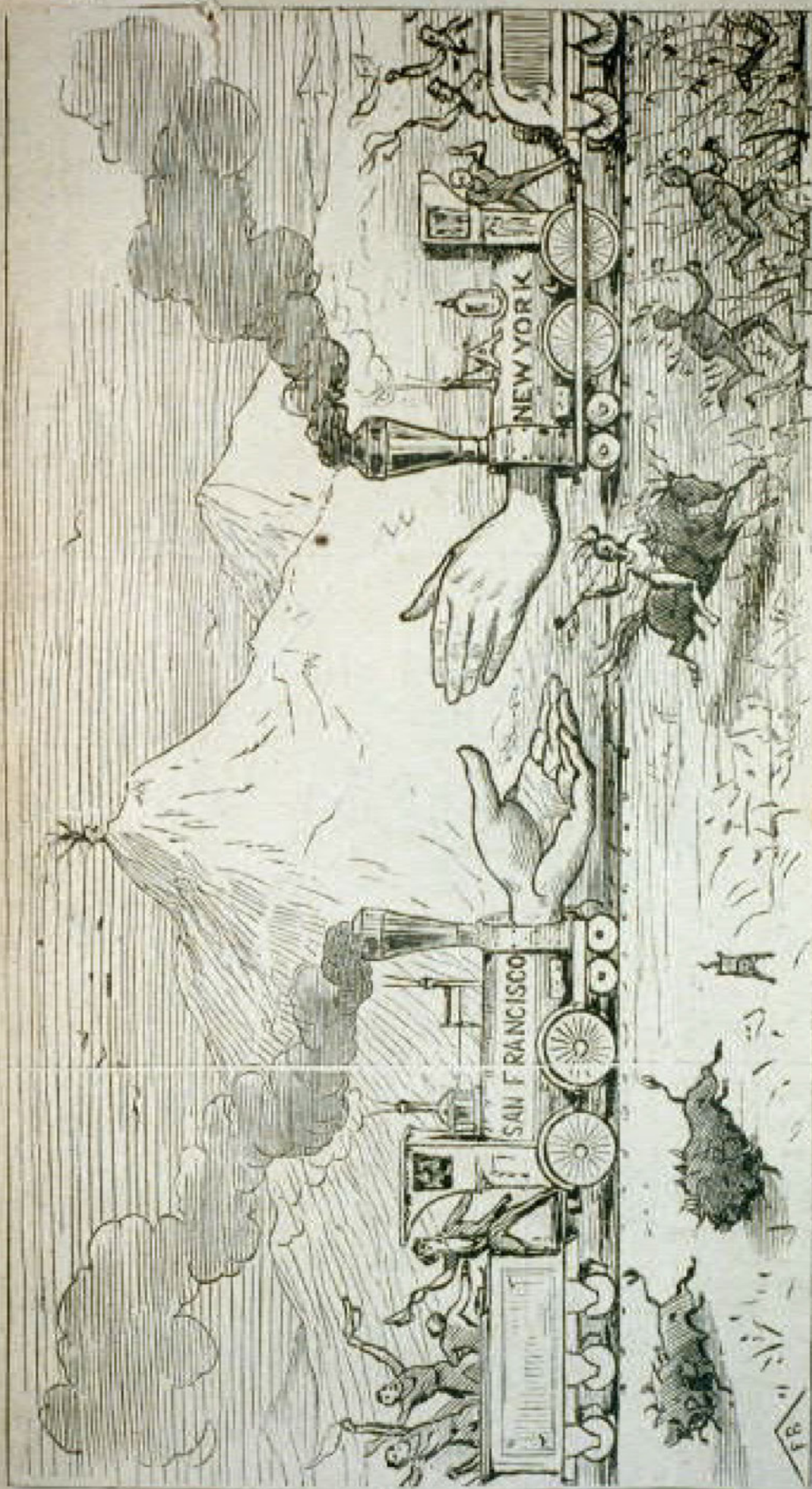
J. J. T. BALL, General Agent, U. P. R. R., Denver, Col.

UTAH CENTRAL R. R. TIME TABLE.

| Pass. | Pass. | Ac'n | M. | Going N'th. | STATIONS. | Going S'th. | Pass. | Pass. | Ac'n |
|-------|-------|------|----|-------------|-----------------------|-------------|-------|-------|------|
| A.M. | P.M. | P.M. | | Leave. | | Arrive. | A.M. | P.M. | A.M. |
| 5 00 | 2 45 | 5 30 | | | Salt Lake City,..... | | 10 00 | 7 30 | 7 46 |
| 5 28 | 3 13 | 6 07 | 9 | | Wood's Crossing,..... | | 9 33 | 7 03 | 7 10 |
| 5 36 | 3 21 | 6 18 | 11 | | Centreville,..... | | 9 24 | 6 54 | 6 59 |
| 5 53 | 3 38 | 6 41 | 15 | | Farmington,..... | | 9 11 | 6 41 | 6 30 |
| 6 12 | 3 67 | 7 11 | 20 | | Kaysville,..... | | 8 51 | 6 21 | 6 13 |
| 7 00 | 4 45 | 8 15 | 36 | | Ogden,..... | | 8 00 | 5 30 | 5 00 |
| A.M. | P.M. | P.M. | | Arrive. | | Leave. | A.M. | P.M. | A.M. |

A. H. EARLE, General Agent U. P. R. R., Ogden, Utah.

Exhibit D : Union and Central Pacific Railroad Line



"DOES NOT SUCH A MEETING MAKE AMENDS?"

Exhibit E: "Does not such a meeting make amends?"



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Post-Visit Activities:

Propaganda posters/flyers: Exhibits B, C, and D

Have students create their own poster/flyer to encourage settlement in the west. Students will be employees of the Union Pacific or Central Pacific. Students should incorporate their knowledge of the land, as well as historical information about the dangers settlers could face.

“American Progress:”

Students examine “American Progress,” the allegorical female figure of America leading pioneers and railroads westward, originally painted in 1872 by John Gast and copyrighted by George A. Crofutt in 1873. The teacher will display the complete work on the board at the front of the classroom and students will analyze this primary source in four separate groups and record their observations on the enclosed “Image Analysis Worksheet.” Each group will have their own separate section of the complete work to analyze.

“Indian Nuisance Problem”

Encourage discussion of other ways the RRs and government could have solved the issues that they faced during this time. Make sure to consider all sides of the issue.



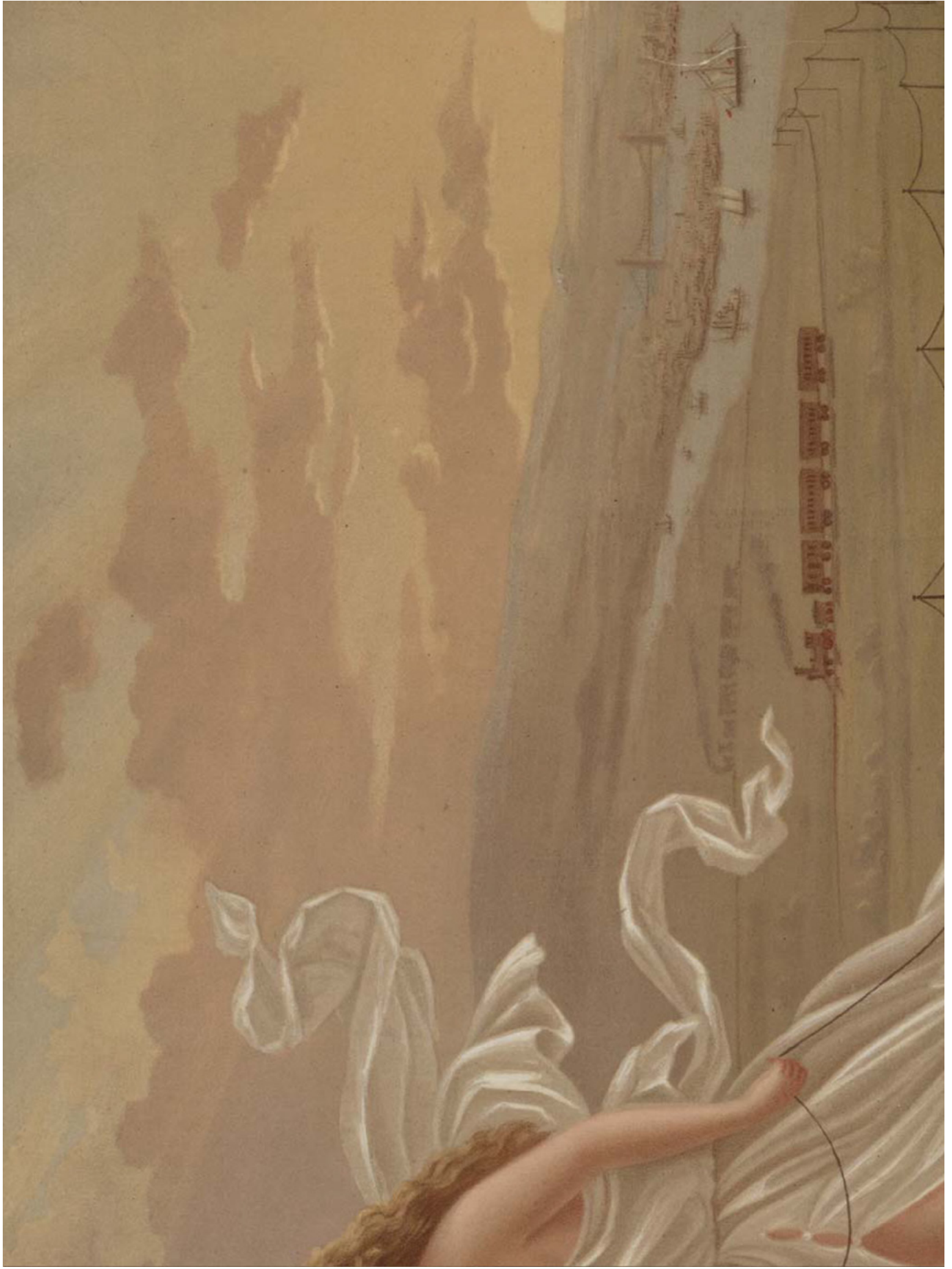
American Progress, 1873



American Progress, 1873 - Section A



American Progress, 1873 - Section B



American Progress, 1873 - Section C



American Progress, 1873 - Section D

Name: _____ Date: _____

Image Analysis Worksheet

Study the image for two minutes. Form an overall impression of the image and then examine individual elements of the image.

| | |
|--|--|
| List the people or objects: | List any activities happening: |
| | |
| List words or phrases you see in the image (not all images have words): | List adjectives you would use to describe the image: |
| | |
| What is the caption or title? | Is this image a positive or negative depiction? |
| | |
| Write a two or three sentence summary of what you believe is happening in the image: | |
| | |



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Resources

Library of Congress - Railroad Map, 1828-1900

<https://www.loc.gov/collections/railroad-maps-1828-to-1900/articles-and-essays/history-of-railroads-and-maps/the-transcontinental-railroad/>

Library of Congress - Rise of Industrial America, 1876-1900

<http://www.loc.gov/teachers/classroommaterials/presentationsandactivities/presentations/timeline/riseind/railroad/trans.html>

Online Archive of California

<http://www.oac.cdlib.org/>

PBS - American Experience, Transcontinental Railroad

<http://www.pbs.org/wgbh/americanexperience/films/tcrr/>

The Transcontinental Railroad

<http://railroad.lindahall.org/index.html>

Union Pacific - History and Photos

<http://www.up.com/aboutup/history/index.htm>

Union Pacific - Uniting the States of America

<http://www.uprr.com/aboutup/history/lincoln/index.shtml>

Special Thanks to the Durham Museum - Omaha, NE

Abraham Lincoln and General Dodge - 1859 - From the Bostwick-Frohardt Collection owned by KMTV on permanent loan to the Durham Museum - <http://durhammuseum.contentdm.oclc.org/cdm/ref/collection/p15426coll1/id/138>