



Population 7,546,400 (2019)



Key



Wheat
142,700,000 bu. (2019)



Grapes
390,000 ton (2019)



Livestock—Cattle
1,110,000 head (2012)



Timber



Apples
7,600,000,000 lbs (2019)



Potatoes
98,400,000,000 lbs (2011)



Livestock—Sheep
52,000 head (2012)



Mountains



Dairy (milk)
5,900,000,000 lbs (2010)



Livestock—Pigs
11,600,000 lbs (2009)



Columbia Plateau



Rivers



Railway

Population 7,546,400 (2019)

Transportation



**Car/Trucks/
SUVs**



Bicycle



**Electric
cars**



Train



Airplane



Ship/boat



Using the map provided, answer the following questions about Washington in 2020.

Map Questions:

1. How were people getting from place to place?
2. How many people lived in Washington?
3. What types of agriculture could be found?



INTERVIEW 1: Native American Concerns with Agricultural Practices

Interviewee:

Date of interview:

Location of interview:



What is your career?

What does a day in your line of work look like?

How does it help to understand current agricultural practices in your line of work?

How does your career impact different groups of people?

How is your career shaped by natural resources and geography?

What can you tell us about your career and its impact on Washington today?



INTERVIEW 2: Farmer Using Innovative Soil Conservation Practices

Interviewee:

Date of interview:

Location of interview:



What is your career?

What does a day in your line of work look like?

How does it help to understand current agricultural practices in your line of work?

How does your career impact groups of people?

How is your career shaped by natural resources and geography?

What can you tell us about your career and its impact on Washington today?



INTERVIEW 3: Dockworker Who Loads Agricultural Products

Interviewee:

Date of interview:

Location of interview:



What is your career?

What does a day in your line of work look like?

How does it help to understand current agricultural practices in your line of work?

How does your career impact different groups of people?

How is your career shaped by natural resources and geography?

What can you tell us about your career and its impact on Washington today?



INTERVIEW 4: Roadside Orchard Stand Owned by Hispanic Family

Interviewee:

Date of interview:

Location of interview:



What is your career?

What does a day in your line of work look like?

How does it help to understand current agricultural practices in your line of work?

How does your career impact different groups of people?

How is your career shaped by natural resources and geography?

What can you tell us about your career and its impact on Washington today?



	INTERVIEW 1: Native American Concerns with Agricultural Practices	INTERVIEW 2: Farmer Using Innovative Soil Conservation Practices	INTERVIEW 3: Dockworker Who Loads Agricultural Products	INTERVIEW 4: Roadside Orchard Stand Owned by Hispanic Family
What was one takeaway from the interview?				
What did the interview help you discover about Washington history? What did the interview help you discover about the perspectives of different groups of people?				
How does what the interviewee does today affect the natural resources and geography of their area of Washington?				
What did the interview help you understand about why conditions are like they are today in Washington?				



Project 1:

Commodities Map

Create a map of the top 10 commodities grown in Washington. On the map include an icon for each commodity, the sales of the commodity, and where the commodity is marketed (i.e., China, Canada, etc.).

Project 1a:

The Impact

H3.-8.3 Share the impact of these crops on Washington by answering the following questions:

- What is the economic impact of those crops?
- How does this industry impact groups of people who live in Washington?
- How do these ag commodities impact other industries outside of agriculture?
- What are the associated industries' inputs?

Project 1b:

Change of Plans

H2.6-8.4 Look at three of these crops and identify what happens to them if they are unable to be packaged or **exported**. Consider answer the following questions: How does the plan change for these crops? Can they be processed into something else or do they go to waste?

Project 1c:

New Technologies

H2.6-8.4 Identify new technologies being developed for Washington agriculture. Consider all steps in the growing process and how technology can influence those. Additionally, think about how those technologies impact the labor force.



Project 2:

Farm Stand Model

Create a farm stand model on paper or computer. Include where the stand should be located, what will be sold, and at what time of year the selling will take place.

Project 2a:

Business Plan

H2.6-8.2 You started as a migrant worker and now you're ready to own your own business. Create a business plan that depicts the future you see for this business. Think about other migrant workers who have bought their own land and created their own niche in Washington agriculture.

Project 2b:

Commodity Comparison

H2.6-8.3 In your business owner role, consider three items you will sell at your own farm stand. Research how those three commodities compare to other commodities grown in Washington based upon monetary volume.

Project 2c:

The Impact

H1.6-8.4 Have you ever bought goods from a farm stand? What have you seen, heard, and felt when you made your purchases? If you have not, imagine what it might be like: What would you expect to see, hear, or purchase? In your experience, what might motivate a customer to seek out a farm stand rather than a grocery store? Describe the impact farm stands have on Washington agriculture; share in your description who might be farm stand customer, what they might purchase, and what they might experience.



Project 3:

Podcast

Craft a podcast about Orville Vogel and the Green Revolution. Include who he was, what he researched, and how he impacted the Green Revolution.

Project 3a:

New Technologies

H2.6-8.4 Think about how wheat production has evolved over time. Consider what technological advances have been made to increase wheat production in Washington. Share those technologies and how they are impacting Washington agriculture.

Project 3b:

Pluses and Minuses

H1.6-8.4 Take a closer look at the Green Revolution. Consider various viewpoints and determine three pros and three cons to the Green Revolution.

Project 3c:

Wheat and You

H4.6-8.2 Think about the history of wheat and consider how wheat has impacted your life. Cite three examples and give reasoning and evidence behind them.



Group Project Reflection

Project name:

Project Partners (if any):

1. Why did you choose your project?
2. What stood out to you in these projects? Why?
3. What will you remember about the projects your peers presented?
4. Why is it important to understand what the land looked like in this time period?
5. What significance does that have on today?



EXIT TICKET



Name:

Date:

What are some ways we can work to feed a growing planet with less impact?



Escape Room Clues

If students accessing OneNote is not an option, print the following clues, cut apart, and place in a sealed envelope. As answers to clues are correctly provided, hand out the envelopes for groups to progress through the escape room.

Code 1:

Your mission:

The Port of Tacoma has important shipments to be made today, and their terminal shipping schedule has been scrambled. Your job is to correctly answer the clues and open the terminal shipping schedule to allow *exports* to proceed and continue Washington's part in feeding our world.

How to complete your mission:

- 1) Read each clue
- 2) Enter the correct answer to move on to the next clue
- 3) You will have 15 minutes to complete this task
- 5) The first team to break the code will be deemed the escape room champions!

I wish you the best!

To move to the first clue, you must answer: What is the state of Washington's nickname?

Answer: _____

Code 2:

How many agricultural commodities are grown in Washington?

Answer: _____



Code 3:

Identify the top 10 commodities grown in Washington. Follow these clues to find your answer:

- First letter in top commodity: ____
- First letter in ninth commodity: ____
- First letter in sixth commodity: ____
- Fourth letter in the 10th commodity: ____
- Second letter in the eighth commodity: ____
- First letter in the third commodity: ____

Answer: _____

Code 4:

Find the top 10 **exports** of Washington. What is the sum of dairy products and beef?

Hint: This is a numeric value with no words.

Answer: _____

Code 5:

Find the top 10 **exports** markets of Washington. What is the sum of Mexico and Canada?

Hint: This is a numeric value with no words.

Answer: _____



Code 6:

What rank is Washington in US agriculture?
Hint: use ordinal numbers (first, second, third, etc.)

Answer: _____

Code 7:

What number of crops make up more than 50 percent of the United States production?

Answer: _____

Code 8:

How many people are employed through agriculture and food processing in Washington?

Answer: _____

Code 9:

How many times can apples from Washington wrap around the world?

Answer: _____



Code 10:

What is the estimated number of farms in Washington?
Hint: This is a numeric value with no words.

Answer: _____

Code 11:

What is the economic impact from farming and ranching?
Hint: This is a numeric value with no words.

Answer: _____

Your Mission is Complete!

CONGRATULATIONS!!

You have successfully unscrambled the Port of Tacoma's terminal schedule! *Exports* are now back open and the state's economy has been saved.



Ag *Exports* Escape Room Reflection

Directions: Capture your classroom discussion here.

1. What did you experience in the escape room activity?
2. What was a fact or code that really stood out to you?
3. How does Washington contribute to feeding the planet?
4. What has made the greatest impact on your understanding of agriculture in Washington?



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