

lesson 16 Agriculture

INTRODUCING THE AGRICULTURE GAME

OVERVIEW

This lesson helps reinforce student learning related to the history of agriculture in California, especially life on a family farm. *In Lesson 16, students play the Agriculture Game under GAMES at the Sacramento History Online website at <http://www.sacramentohistory.org>. To play the game, you must have a current Flash Player (6.0 or higher).*

STUDENT OBJECTIVES

1. Apply knowledge of life on a family farm and California agriculture.
2. Complete the agriculture unit with an entertaining final activity.

CALIFORNIA HISTORY STANDARDS

4.4 California's rise as an agricultural and industrial power

STUDENT ACTIVITY SHEET 16 AND KEY

My Farm Visit Journal (pages 16-3 and 16-4)

Aunt Sarah's Recipe (pages 16-5)

DOCUMENTS TO DISCUSS

The documents below provide background information related to the Agriculture Game.



1. *Eat California Fruit*

[1904]

Illustrated pamphlet describing the wonders of California Fruit, includes recipes. (Large PDF File - 3.7 MB)



2. *Hack ranch in Freeport*

[ca. 1890]

View of yard around farm house, showing barn, other outbuildings, areas fenced off in sections, horse-drawn wagons, and windmills; orchard in distance.

INSTRUCTIONS

1. Print **Student Activity Sheet 16 and Key** (**My Farm Visit Journal** and **Aunt Sarah's Recipe**).

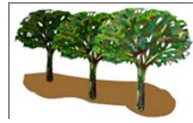
2. **In this activity, students play the Agriculture Game at <http://www.sacramentohistory.org>.** (Choose *Agriculture Game* from the Games menu at the top of the screen).

3. Before introducing the game, you may want to review and print the two documents above. **Document 1** is a pamphlet from 1904, which provides additional background about agriculture and food in that time period. **Document 2** is an image of a family farm in the 1890s.

4. In the game, children make an imaginary visit to their aunt and uncle’s farm in the Sacramento Valley. Although set in the early 1900s, the events and activities shown are typical for any family farm without electricity and refrigeration, from the 1880s through the 1920s. Featured areas on the farm include the following:



a. Farmhouse kitchen



e. Almond orchard



b. Henhouse



f. Almond hulling shed



c. Barn



g. Garden



d. Cistern



h. Additional images:
railroad depot,
exaggerated postcard,
and State Fair button

5. There are several ways to visit the farm. You can explore different locations on your own to learn more about farm life or gather clues to solve a puzzle.

6. **Puzzle.** Before they play the game, give students **Activity Sheet 16: My Farm Visit Journal** (page 16-3), to record clues. In the online game, they are asked to find ingredients for **Aunt Sarah’s recipe** (page 16-5) at various sites around the farm. If they solve the puzzle, they are rewarded with a virtual animated cake. To solve the puzzle, drag small icons to their proper location on the chart to indicate the following information for each of six ingredients (butter, milk, eggs, potatoes, flour, and almonds):

- Where they found the ingredient on the farm (e.g. the barn)
- The plant or animal it originates from (e.g. milk comes from a cow)
- The kitchen tool or utensil that was used to prepare the ingredient

FOLLOW-UP

- At the end of the game, **discuss the puzzle and your virtual visit** to the farm. Pretend that you are the child who made the visit, and write a letter to your family in the city, describing what you saw on the farm.
- Create a drawing or a mural** showing a family farm in the years 1900 and 2000. What changes would have taken place during those 100 years?
- With adult supervision, **make Aunt Sarah’s recipe** and share the results. Can you find other dessert recipes that call for vegetables?

activity sheet 16 choose **Agriculture Game** from GAMES at <http://www.sacramentohistory.org>.
Fill in the blanks in your journal as you play the Agriculture Game.
Use it to help you solve the puzzle when you have found all the ingredients.

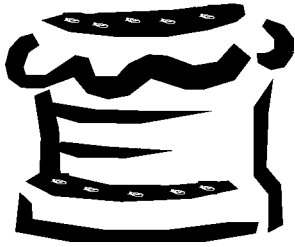
MY FARM VISIT JOURNAL

1. I found _____ in the _____.
This ingredient comes from a **plant** **animal** (*circle one*).
Name the plant or animal: _____.
Name the tool or utensil used: _____.
2. I found _____ in the _____.
This ingredient comes from a **plant** **animal** (*circle one*).
Name the plant or animal: _____.
Name the tool or utensil used: _____.
3. I found _____ in the _____.
This ingredient comes from a **plant** **animal** (*circle one*).
Name the plant or animal: _____.
Name the tool or utensil used: _____.
4. I found _____ in the _____.
This ingredient comes from a **plant** **animal** (*circle one*).
Name the plant or animal: _____.
Name the tool or utensil used: _____.
5. I found _____ in the _____.
This ingredient comes from a **plant** **animal** (*circle one*).
Name the plant or animal: _____.
Name the tool or utensil used: _____.
6. I found _____ in the _____.
This ingredient comes from a **plant** **animal** (*circle one*).
Name the plant or animal: _____.
Name the tool or utensil used: _____.

activity sheet 16 choose **Agriculture Game** at <http://www.sacramentohistory.org>.
 (ANSWERS WILL VARY IN THE ORDER INGREDIENTS ARE LISTED,
 UNLESS YOU FILL IN INGREDIENT NAMES BEFORE DUPLICATING.)

MY FARM VISIT JOURNAL

- I found butter in the cistern .
 This ingredient comes from a plant animal (*circle one*).
 Name the plant or animal: cow, Jersey cow, Daisy .
 Name the tool or utensil used: butter churn .
- I found milk in the barn .
 This ingredient comes from a plant animal (*circle one*).
 Name the plant or animal: cow, Holstein cow, Bonnie .
 Name the tool or utensil used: milk strainer, cloth .
- I found flour in the farm kitchen .
 This ingredient comes from a plant animal (*circle one*).
 Name the plant or animal: wheat .
 Name the tool or utensil used: flour sifter .
- I found potatoes in the garden .
 This ingredient comes from a plant animal (*circle one*).
 Name the plant or animal: potato plant .
 Name the tool or utensil used: potato masher .
- I found almonds in the hulling shed .
 This ingredient comes from a plant animal (*circle one*).
 Name the plant or animal: almond tree .
 Name the tool or utensil used: nutcracker .
- I found eggs in the henhouse .
 This ingredient comes from a plant animal (*circle one*).
 Name the plant or animal: chicken, hen .
 Name the tool or utensil used: eggbeater .



AUNT SARAH'S RECIPE

for her special chocolate mashed-potato cake

INGREDIENTS

1/2 cup butter
2 cups sugar

4 eggs, separated
1 cup hot mashed potatoes
2/3 cup cocoa
1 teaspoon vanilla

2 cups flour
1 tablespoon baking powder
1/2 teaspoon salt
1/2 teaspoon cinnamon

1 cup milk
1 cup chopped almonds

INSTRUCTIONS

1. Heat the oven to 350 degrees.
2. Grease a 9" x 12" cake pan (or two layer cake pans)
3. Cream the butter, and add the sugar
4. Slightly beat the egg yolks and add to the butter and sugar.
5. Mix in the mashed potatoes, cocoa, and vanilla.
6. Sift the dry ingredients (flour, baking powder, salt, and cinnamon) together and add them alternately with the milk.
7. Stir in the almonds.
8. Beat the egg whites until they are stiff, and fold them into the mixture.
9. Pour into the cake pan and bake for 50 minutes.
10. Cool and frost. Decorate with additional almonds.