

Sacramento History Museum

Agriculture and Life on the Farm

SYNOPSIS OF PROGRAM

The Agriculture and Life on the Farm Program was created to adhere to K – 3rd grade California Curriculum Standards and provides an educational experience outside the classroom. Students participate in hands-on activities.

CORRELATION WITH CALIFORNIA STANDARDS

The standards listed below cover our core lessons. Further curriculum standards can be included upon request.

CORRELATION WITH CALIFORNIA STANDARDS

Social Studies

- K.6.3 Understand how people lived in earlier times and how their lives would be different today.
- 1.2.4 Describe how location, weather, and physical environment affect the way people live, including the effects on their food, clothing, shelter, transportation, and recreation.
- 1.4 Students compare and contrast everyday life in different times and places around the world and recognize that some aspects of people, places, and things change over time while others stay the same.
- 1.6.1 Understand the concept of exchange and the use of money to purchase goods and services.
- 1.6.2 Identify the specialized work that people do to manufacture, transport, and market goods and services and the contributions of those who work in the home.
- 2.1 Students differentiate between things that happened long ago and things that happened yesterday.
- 2.2.4 Compare and contrast land use in urban, suburban, and rural environment in California.
- 2.4 Students understand basic economic concepts and their individual roles in the economy and demonstrate basic economic reasoning skills.
- 3.1.2 Trace the ways in which people have used the resources of the local region and modified the physical environment.

Science

Kindergarten- Life Sciences

2. a-c Different types of plants and animals inhabit the earth.

1st Grade- Life Sciences

2. a-e Plants and animals meet their needs in different ways.

2nd Grade- Life Sciences

2. a-f Plants and animals have predictable life cycles.

BEFORE YOU ARRIVE

Below are listed tips intended to help keep things running smoothly and to make the best use of your time.

- ✓ Preview key vocabulary words with our Vocabulary Activities
- ✓ Review common museum rules such as:
 - No running or shouting
 - Do not touch any of the artifacts (unless instructed to do so)
 - Stay with your group
 - No food or drinks allowed inside (we will provide a place to keep bagged lunches, backpacks, jackets, etc.)
 - Take a chance! If an educator asks a question, we always prefer incorrect guesses to no guess at all

Should you have any questions about your program, please do not hesitate to contact us at (916) 808-4980 or jwest@cityofsacramento.org

AFTER YOUR VISIT

- ❖ Make a time capsule. Think of what you would want people to know about you in 100 years. Draw your favorite toy or cartoon character. Put in the wrapper from your favorite candy. Include a letter to the future.
- ❖ Create a timeline of your own life. In addition to including events from your own life (when you were born, when you started school, when you learned to ride a bike, etc.) look up some famous world events that happened during your life and put them on your timeline.
- ❖ Visit www.agclassroom.org for fun lessons and classroom farm activities.
- ❖ Visit www.moomilk.com to learn about a local dairy farm.

A Look at California Agriculture



Capital: Sacramento

Population: 36,961,664

Founded: September 9, 1850 (31st)

State Bird: California quail

State Tree: Redwood

State Flower: Poppy

Number of Counties: 58

Largest City: Los Angeles - 9.9 million

Nickname: The Golden State

Number of Farms: 81,500

Average Farm Size: 313 acres

Total Farmland: 25.3 million acres



www.agclassroom.org/ca

Climate & Soil

- California's moderate, Mediterranean climate, coupled with the state's fertile soil and diverse land resources, allows year-round production of many commodities. Some of those with year-round crop seasons include lemons, artichokes, avocados, broccoli, cabbage, carrots, cauliflower, celery, lettuce, mushrooms, potatoes, spinach and squash.
- California is home to more than 2,000 soils, located in the state's unique blend of valleys, foothills, mountains, coastal areas and deserts.
- The San Joaquin series is the state soil.

Crops & Livestock

- California produces more than 350 crops. Of those, the following are commercially-produced only in California: almonds, artichokes, dates, kiwifruit, figs, olives, persimmons, pomegranates, dried plums, raisins, clingstone peaches, pistachios, sweet rice, ladino clover seed, and walnuts.
- California grows more than half of the nation's fruits, vegetables and nuts.
- The second leading commodity, grapes, account for \$2.99 billion in cash receipts annually.
- Livestock and poultry account for about 27% of California's gross cash income, with a combined total of \$10.6 billion.
- California leads the nation in milk production with over 1.8 million dairy cows, \$6.92 billion in cash receipts.
- Over 5.3 billion eggs are produced each year by 19 million hens and pullets of laying age.
- Bee colonies, of which there are over 650,000 in the state, are included in the category of livestock.
- They are used both for pollination and production of honey, and their value is over \$25 million.

General

- California is the nation's top agricultural state, and has been for more than 50 years. Agriculture generates approximately \$36.2 billion a year, more than any other state.
- More than 60% of the state's farms are less than 50 acres in size, one indicator of the growing number of specialty crop operations.
- More than 90 percent of California farms are family farms or partnerships.
- The top 10 commodities include: milk and cream, all grapes, nursery products, almonds, cattle and calves, all lettuce, strawberries, all tomatoes, hay, and rice.

What is Agriculture?

Draw a line to connect the matching picture to its description



Farm Equipment

Hot House Flowers & Plants

Lumber

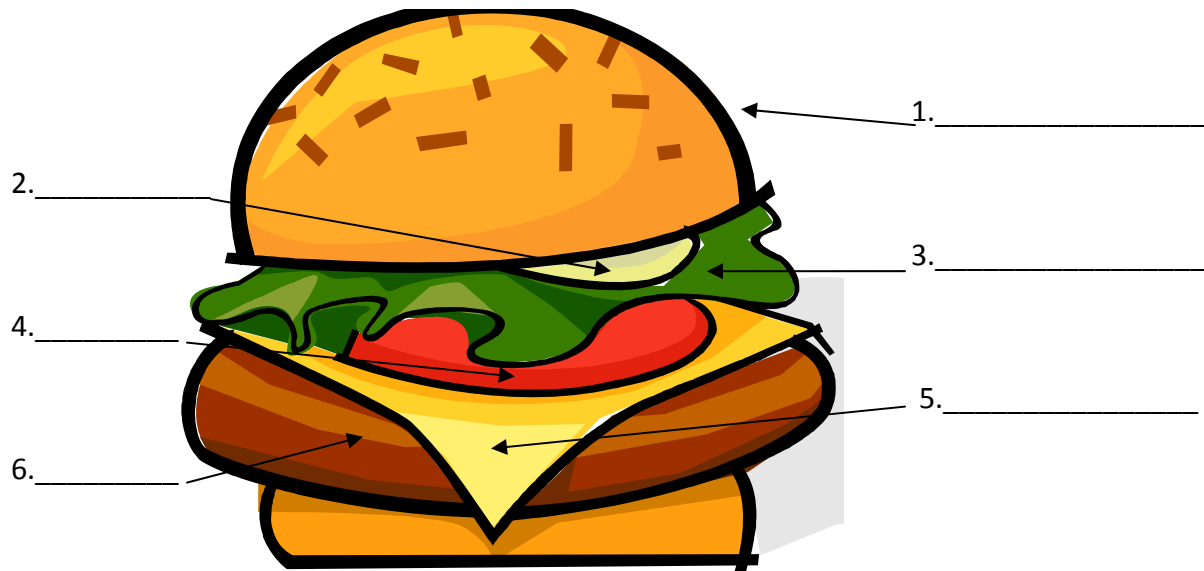
Farming and raising crops

Dairies

Clothing

What are the ingredients in a cheeseburger?

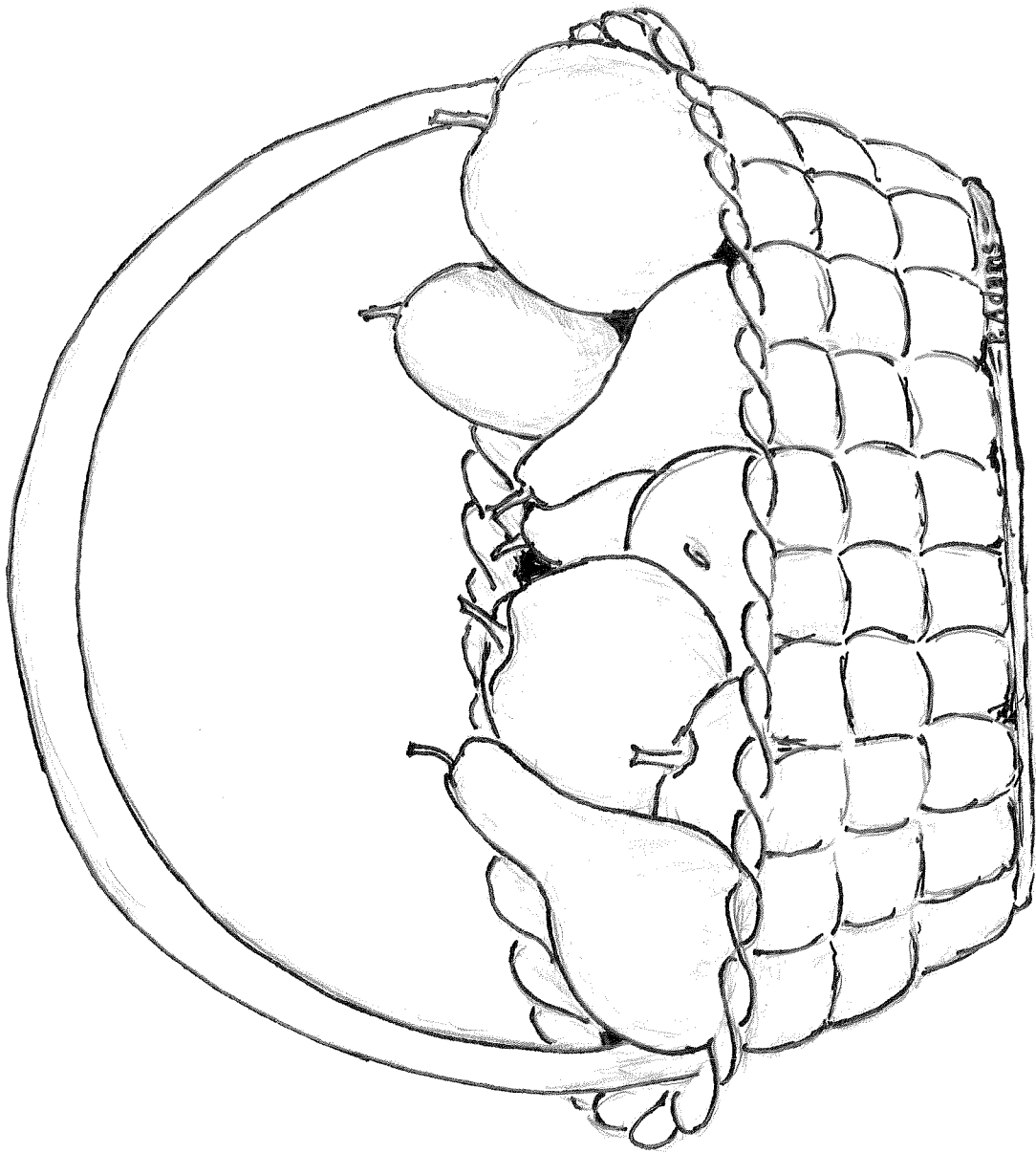
Label the different foods!



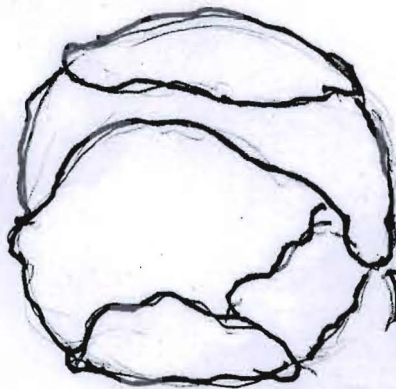
Can you identify which ingredients are grown in the ground and which ingredients are produced?

Circle your answer.

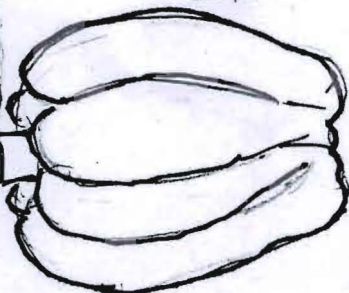
Hamburger Bun	grown	produced
Onion	grown	produced
Tomato	grown	produced
Lettuce	grown	produced
Cheddar Cheese	grown	produced



LETTUCE



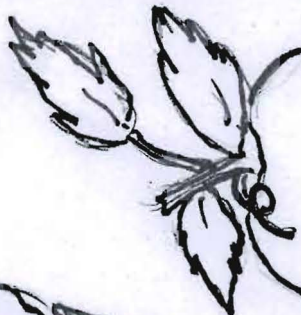
BELL PEPPER



OLIVE



AVOCADO HALF



TOMATO



HALF HARD BOILED EGG

CARROT



MUSHROOM



BEET



CUTTING KNIFE



SPINICH

