

Apples and Learning About Maps and Directions

(Tune - Row, Row, Row Your Boat)

Pick, pick, pick an apple on the tree.
Reach up high to get a branch.
It is (direction) of me.

Giving directions

Use terms designating relative location in a set of directions for making:

- dried apples
 - apple sauce
 - apple pie
- Provide a simple map of an apple orchard on which children place markers or make marks as directions are given. Use terms designating relative location in the set of directions.
 - Talk about the travels of Johnny Appleseed. Use maps of various types as terms designating relative location. Maps of typical pioneer homes, orchards, or communities could be used.
 - Create a flannel graph with a map of an apple orchard on it. Talk about mammals, insects, reptiles, amphibians, birds, plants, soil, or weather conditions which might affect an apple orchard. As the characters are moved around use terms designating relative location.
 - Create a large cube with apple stickers on each side. Use terms designating relative location to describe where sets of apples are located.
 - Talk about the work of a photographer or artist who helps people visualize locations of apples or items related to apples and apple trees. Use a camera or paint brush to role play the person involved.
 - Create maps of where apples have been grown in history and where they are now commonly found.
 - Map the travels of a worm through an apple. Use terms of relative location to describe the worm's travels.
 - Describe the view of an insect or bird as it flies over an orchard.
 - Place a ladder next to an apple tree or a model of one. Have children give directions using terms designating relative location which help the puppet pick apples.

Activities

Cardinal and Intermediate Directions

- Use a map of known or hypothetical orchards. Locate items on the maps by using cardinal and/or intermediate directions.
- use maps of where apples have been or are grown. Locate items on the maps by using cardinal and/or intermediate directions.
- Play a game with information about apples. have students move things in designated directions on a map game board.
- Have students move about the room in various directions. Through the use of directions, lead them to an "apple treasure."
- Take a field trip to an apple orchard or grocery store which sells apples and apple products. Create a map on which to plan the route. Use cardinal and intermediate directions to describe the route.
- Locate the best areas in which to grow special varieties of apples. Use cardinal and intermediate directions to describe locations.
- Use a globe to locate places where apples are grown, transported, and sold throughout the world. Describe locations by using cardinal and intermediate directions.

North and the North Pole/South and the South Pole

- Locate the north and south poles on globes and various maps. Find places where apples are grown. Relate these places to the location of the poles. Turn the globes on their axes or move the maps. Ask the students if the north and south poles are still at the same places on the globes and maps. Place a string between the location of apple producing areas and the poles. Note that north and south are always toward the poles regardless as to how the representations of the earth are turned. Note the compass rose on the representations.
- Use a compass in an orienteering experience in an orchard.
- Write directions for finding something related to apples. Use a compass to locate the item.
- Locate the magnetic poles on maps and globes. Compare the north and south poles to the magnetic north and south poles. Read about pioneers who planted apple orchards. Learn about how land needed to be surveyed before it could be claimed. Try staking out a small portion of a claim for a "farm with an orchard." Use a compass to determine where to place markers.