

## TEACHER MATERIALS - Making Raisins

**CONCEPTS:** Math, Science, and Technology  
-Standard 4.6- Living Environment  
ELA  
-Standard 1.1- Reading and Listening  
Standard 3a.1- Basic Skills

**OBJECTIVES:** The students will make raisins.

**BACKGROUND:** Raisins are made in much the same way today as they have been for thousands of years. Grapes are washed, separated from their stems and dried in the sun.

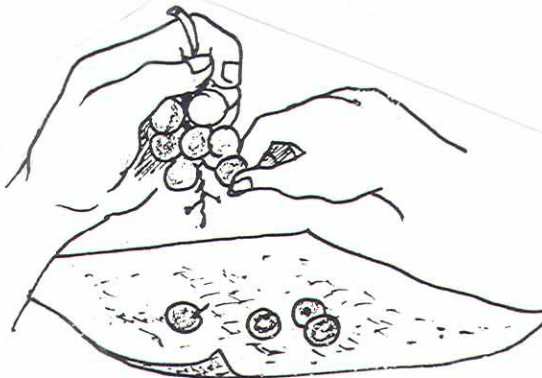
**MATERIALS:** grapes  
paper plates  
paper towels  
water  
cheese cloth

**ACTIVITY:** 1. Have the class "make" raisins as follows:

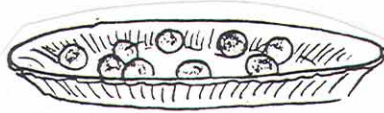
A. Divide the class into groups.

B. Give each group a bunch of fresh, ripe, seedless grapes and a paper plate.

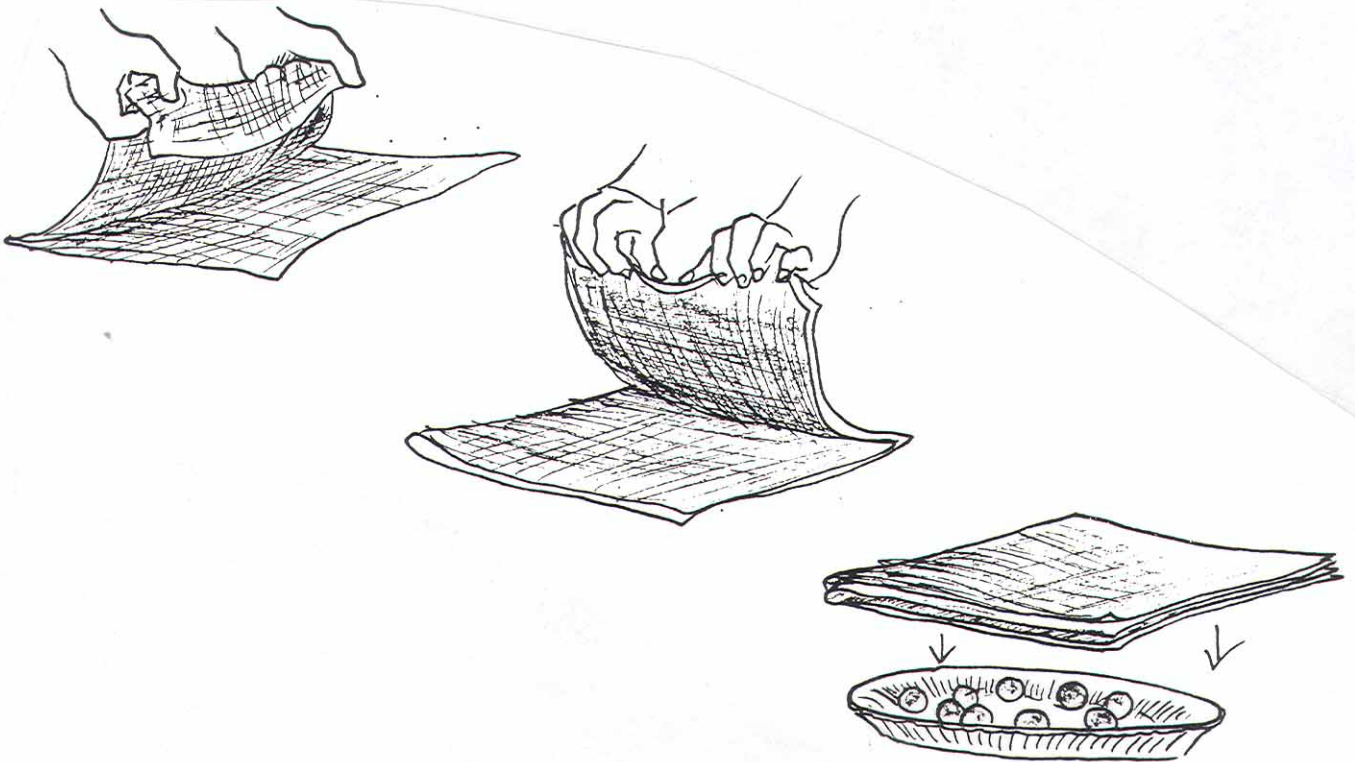
C. Have the students carefully wash their grapes, separate them from the stems, and blot them dry.



- D. Have the students spread the grapes evenly on their paper plate.



- E. Cover the plate with 4 layers of cheese cloth which extends 3 inches beyond the edge of the plate.



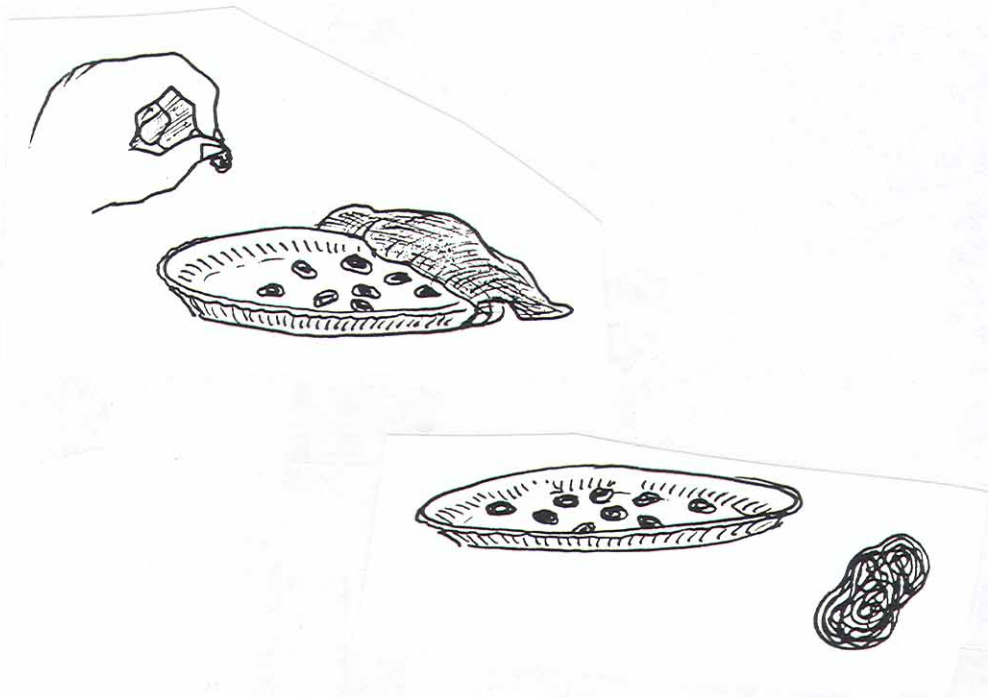
- F. Tuck the cheese cloth under the plate and staple or tape it onto the paper plate.



- G. Place the plates in a sunny location in direct sunlight.

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H. After 5 days, test the grapes. Squeeze a grape lightly — if there is no moisture on your fingers and the grape springs back, they are ready. If not, more time is needed. From this point on, the grapes should be tested daily.



2. Mix the raisins with the popcorn from the Mathematics lesson on pages K-82 through K-100 to produce a simple "Trail Mix" snack.
3. Make other raisin snacks, use the recipes which follow.

## Space Raisin Rations

**Ingredients:**      3 cups crunchy peanut butter  
                         2 cups dry milk  
                         1 1/2 cups honey  
                         1 cup raisins

Mix ingredients together thoroughly. Shape into 5 rolls. Chill and slice. If too dry, add a little more honey. Serve with crackers or graham crackers, if desired.

## Raisin Grahams

**Ingredients** for one student:

1    Tablespoon crunchy peanut butter  
     raisins, chopped  
1    teaspoon orange juice  
     graham crackers

Mix peanut butter and orange juice. Spread on graham crackers. Sprinkle with chopped raisins.