

CHOOSING a VARIETY of FOODS

Purpose: To review and practice label reading; introduce serving size and provide opportunities for application with a selection of foods; and check Goal #1 for regular physical activity.

Lesson Objectives - Students should be able to:

- describe what is on a nutrition label.
- identify recommended ways to know they are eating the right serving size of food.

| Lesson Outline | | | | |
|---------------------------|----------------------|---|--|--|
| Part A Activities | Teacher Materials | | | |
| 1. Goal Check for Goal #1 | 10-15 | Goal Calendar San Carlos Apache Map Story Sheet | Cassette Player Pathways Theme Music Pathways Nations Map Visual Aid B | |
| 2. What is a Serving Size | 25-30 | Activity Sheet 4 Supplies/Food Items * | Visual Aid C Food Stations | |

See list of supplies and food items for this activity at the end of this week.



Activity 1 Goal Check for Goal #1



Pathways Background: Goal setting is reinforced by a goal check activity focusing upon the completion of reaching the set goal. These goal checks are recorded so that students can monitor their progress in goal setting. Stories in cultural settings have also strengthened student understanding of concepts in Pathways. Originally stories were recorded on cassette tapes in the 3rd and 4th grades. In the fifth grade, students may either listen as the story is read aloud or read silently at their desks.

- A. Prepare students for today's lesson.
 - 1. Turn on the Pathways Theme Music cassette.
 - 2. Share with students that they will check their **Pathways Goal #1** to do Regular Physical Activity.
 - Ask students to give the hidden message in their Pathways Puzzle, Choose a Variety of Everyday Foods and Beverages, and tell them that Week 3 will have an important activity about choosing.
 - 4. Turn off the Pathways Theme Music cassette.
- B. Have students review their **Goal Calendar** to share how many times they did their physical activity for at least 30 minutes outside of school time.
 - Project Visual Aid B Goal Calendar and ask students to circle the date on their calendar for each day they did their physical activity.
 - Ask for a show of hands for those who completed all four days and then those who did the extra optional two days and congratulate students on completion of their Goal #1.
 - 3. Encourage students who have not yet completed their physical activity to continue to try to reach their Goal #1.
 - 4. Urge students to continue to use their Goal Calendar to plan physical activities that they can do outside of school time with friends or family and emphasize again the importance of exercising at least 30 minutes every day.

C. Ask students to find the story sheet, "Runner Carrying Words", in their *Pathways Notebook* and have students read aloud or silently.

unner Carrying Words (Ya ti nayi ahé)² moved quickly to dodge the rocky areas on the trail. In just a few hours, a little wind had made the weather colder. It was important to think about getting the Pathways Message to the next school.

The clouds moved overhead and seemed to be traveling in the same direction. In a few minutes, white snow flakes began floating in the air. Soon the trail was empty of animals who took shelter from the storm. Runner Carrying Words ran toward the desert over the soft snow.

With good thoughts, Runner reflected on how much he had enjoyed the summer. How good and warm the summer had been!

The trail seemed smoother as he ran over the new snow. It blew into even the tiniest crevice. Grass would grow well by spring with thanks to this snowstorm.

Runner Carrying Words was from the Dee' ³ (Deh), also known as the San Carlos Apache Tribe. This tribe was respected for its strong runners. In olden days, runners traveled at night to avoid being seen by enemies. Today, it is just as important to run to keep healthy and physically fit.

Using the muscles in his legs, Runner moved carefully uphill. He sipped from a water bag decorated with green, black, and yellow pony beads. Mostly, he thought about the message he carried, "Eat a Variety of Foods." His thoughts went back into olden days when his tribe traded with other tribes to obtain different food. The Dee' knew that it was always important to have enough different foods for the people to survive during the wintertime.

Yes, variety was important to the great-great grandparents. They knew that there was a balance in eating different foods. In this way, they took care of themselves to lead healthy lives.

¹ Flesch-Kincaid reading level of 5.76.

² Ya ti nayi ahé (Ya ti nayi a hé) The name for a person who is a messenger and who runs while carrying the words.

³ Dee' (Deh) - The name that the San Carlos people call themselves meaning "The People."

Week 3 - Part A

- D. Have students take out their map of the San Carlos Apache Tribe and pronounce Dee' (Deh), the cultural name for this tribe, and give its meaning of "The People."
 - 1. Ask students to review the map of the San Carlos Tribe by identifying the location of the tribal headquarters.
 - 2. Ask for a volunteer(s) to name the two lakes and the newspaper from the information found on this map.
 - 3. Point out the population of the tribe and the land area for the San Carlos Apache Tribe.



Activity 2 What is a Serving Size?



Pathways Background: Students have been introduced to label reading to identify the amount of fat and sugar in a product.

Teacher Note: Collect empty food packages to add to those brought by students for this activity. Then, after this activity be sure to save these food packages to be used in Week 5 - Part B and in Week 6 - Part B.

- A. Prepare students for this activity by stating that it is important to read the name of any food product because many products are advertising items with the words "low fat" and "fat free" next to the name of the product.
 - 1. Ask students if they have noticed the new changes in wording on the milk their family buys at home.
 - 2. Discuss the wording on the most common types of milk as follows:
 - 2% milk changed to Reduced Fat 2%
 - 1% milk changed to Low fat 1%
 - Skim milk changed to Fat free Skim
 - 3. Ask students which milk wording did not change? (Whole milk).

- B. Explain to students that they will review the serving size information on the empty food packages that they brought for today's class. If students were unable to bring the items, distribute those collected from the teacher's lounge.
 - 1. Ask students to recall the location for information on what is a serving of food on their food package.
 - 2. Display **Visual Aid C Nutrition Facts** and point to the serving size information showing the number of servings in the package.
 - 3. Ask for volunteers to take turns to identify the number of servings on their food package.
- C. Explain that "a serving size" is a recommended amount of food to eat and is helpful as a guide for making food choices.
 - 1. Emphasize that the actual amount of food in "a serving size" differs between foods.
 - 2. Inform students that a serving of milk at school breakfast or lunch is 1/2 pint or 1 cup of milk and ask students if they can imagine the size of a serving that is 1/2 pint or 1 cup of milk.
- D. Announce to students that it is not always easy to tell or imagine how much is a serving size so they will have an opportunity today to **guess** the serving size in several foods and then **measure** the actual serving size.
 - 1. Divide students into groups and have them find **Activity Sheet 4 Guess the Serving Size** in their *Pathways Notebook*.
 - 2. Read aloud or have a volunteer read the directions on this activity sheet.
 - 3. Review with students that they will **first** dish out what they think might be 1 serving size of food at a Food Station and set it aside.
 - 4. Stress to students that they will then **check** the serving size on the nutrition label of the package and then actually count or measure out this amount and set it aside.
 - 5. Finally, they will compare the two amounts to see if the amount that they guessed was larger/smaller than the actual serving size.

Week 3 - Part A

- E. Inform students that the serving size information can be a useful way to help decide how many people can share a food item.
- F. Instruct Group 1 to start at Food Station 1, Group 2 at Food Station 2, and so on.
 - 1. Allow enough time for each group to go to a Food Station and measure the food.
 - 2. Announce when it is time for each group to rotate to the next Food Station.
 - 3. Monitor groups as they participate in this activity.
- G. Give time for students to discuss "Guess the Serving Size" with students using the following questions:
 - Were the serving sizes smaller or larger than your estimate?
 - Describe which foods were the most difficult for estimating a serving size.
- H. Congratulate students on their completion of the serving size activity this week.
- I. Encourage students who have not yet completed their four days of physical activity to reach Goal #1 to try to finish before the next Pathways class.

Reminders:

- ✓ Write a thank you note for contributing teachers thanking them for their assistance with the collection of the empty food packages or containers.
- Jot notes down on the Teacher Interview form after completing this lesson.



CHOOSING a VARIETY of FOODS

Purpose: Reinforce eating a variety of foods through the use of the **Everyday Foods** and Sometimes Foods Lists.

Lesson Objectives - Students should be able to:

- practice choosing a variety of foods from Everyday Foods in planning balanced meals and snacks.
- choose a variety of foods that provide no more than the recommended grams of fat per day.
- identify the number of servings a day recommended from each food group on the Everyday Foods

| Lesson Outline | | | |
|-------------------------------|------------------|---|--|
| Part B Activities | Time (approx. | Student Materials | Teacher Materials |
| 1. Planning a Variety of Food | 25-30 | Activity Sheet 5 Everyday Foods List School Lunch Menu | Cassette Player Pathways Theme Music Everyday Foods Poster Chalkboard |
| 2. Pathways Family Challenge | 10 | Postcard #2 Family Challenge #2 Food Guide Pyramid Everyday Foods List Envelope | , |
| 3. Summary of the Week | 10 | Pathways Puzzle | Pathways Message |



Activity 1 Planning a Variety of Food



Pathways Background: Through use of the **Everyday Foods** poster in the third and fourth grades, a wide variety of healthful foods were emphasized by food groups. Students have had practice in selecting individual foods for each food group. Be sure to have a School Lunch Menu available for students to use in this activity.

- A. Prepare students for today's lesson.
 - 1. Turn on the Pathways Theme Music cassette.
 - 2. Tell students that they will learn more information about what a serving size is and use their knowledge about **Everyday Foods** to plan several meals and snacks.
 - 3. Remind students to continue physical activities at least 30 minutes per day outside of school.
 - 4. Turn off the Pathways Theme Music cassette.
- B. Explain to students that they will work in their Pathways groups to plan meals, snacks, and a physical activity for a whole day as if students from another Pathways school were their quests.
 - 1. Remind students that since their guests are Pathways students, they will want to eat low fat **Everyday Foods**.
 - 2. Tell students that they will plan a variety of **Everyday Foods** for their Pathways guests and ask students if they can define what it means to eat a variety of foods?

Answer: It means eating different kinds of foods.

3. Emphasize to students that a variety of food gives us the nutrients (protein, vitamins, and minerals) that we need to grow healthy and strong and that they can find a variety of food in the food groups on their **Everyday Foods** list.

- C. Ask students to find their **Everyday Foods** lists in their *Pathways Notebook* which they will review in order to plan for a variety of foods.
 - 1. Encourage students to think of selecting foods from each of the five food groups on the **Everyday Foods** List.
 - 2. Ask for a volunteer(s) to point out and name the five foods groups on the **Everyday Foods** poster.

Bread, Rice, Pasta, Cereals Vegetables Fruits Milk, Cheese, Yogurt Meat, Poultry, Fish, Dried Beans

- D. Stress to students that it is recommended that a person eat a minimum number of servings from each food group every day.
 - 1. Have students find the Bread, Rice, Pasta and Cereals page in their Everyday Foods list and locate the empty box at the top of the page.
 - 2. Inform students that they will write down in this box the **total number** of servings for one day.
 - 3. Instruct students to write "6 servings a day" in the empty box at the top of the Bread, Rice, Pasta and Cereals page.
 - 4. Emphasize that this means it is recommended that a person eat 6 servings a day from the foods listed as Bread, Rice, Paste and Cereals.
 - 5. Call out the following food groups and give the minimum number of servings as follows:

Vegetables: 3 servings a day

Fruit: 2 servings a day

Milk, Cheese, Yogurt: 3 servings a day

Meat, Poultry, Fish, Dried Beans: 2 - 3 servings a day

Week 3 - Part B

E. Point out to students that many foods can be eaten separately or can be a combination of several food groups served in a meal.

Example: *macaroni and cheese* in which *macaroni* comes from the Bread, Rice, Pasta, Cereals group and *cheese* comes from the Milk, Cheese, Yogurt group.

1. Provide practice with another meal by following steps to write the name of this combination dish on the chalkboard and then ask students to identify the separate foods in this meal and then identify the food group in which they can be found.

Step 1: Write down this example: Spaghetti with meat-tomato sauce

Step 2: Identify the separate foods in this meal: Spaghetti

Meat Tomatoes

Step 3: Identify the Food Groups for each separate food:

Spaghetti is found in the Bread, Rice, Pasta, Cereals Group Meat is found in the Meat, Poultry, Fish, Dry Beans Group Tomatoes are found in the Vegetable Group

2. Review the recommended number of servings a day for each of the above food groups and ask students to identify how many remaining servings a day are needed.

Answer: Need 5 more servings of Bread, Rice, Pasta, Cereals

Need 2 more servings of Vegetables

Need 2 more servings of Meat, Poultry, Fish, Dried Beans.

3. Encourage students to think of the different ways they can get the recommended servings per day, such as: eat a breakfast, lunch, and dinner; add other foods like a slice of bread, a dessert, a beverage, etc.; eat more than one serving size; and eat a snack between mealtimes.

- F. **Optional:** Give examples of foods that may be familiar to students or ask students to think of any other combination food that they enjoy at school or home.
 - Tacos made with taco shells:

Taco shells are found in the Bread, Rice, Pasta, Cereals Group Meat and Beans are found in the Meat, Poultry, Fish, Dry Bean Group Lettuce and Tomatoes are found in the Vegetables Group Cheese is found in the Milk, Cheese, Yogurt Group

• Wasna (a Lakota food):

Dried Meat is found in the Meat, Poultry, Fish, Dry Beans Group Dried Berries are found in the Fruit Group

• Indian Taco:

Lettuce and Tomatoes from the Vegetables Group Cheese from the Milk, Cheese, Yogurt Group Chile beans from the Meat, Poultry, Fish, Dry Beans Group Fry Bread from the Bread, Rice, Pasta, Cereals Group (on the Sometimes Foods list)

- G. Ask students to find **Activity Sheet 5 Meals and Snacks for Our Pathways Guests** in their *Pathways Notebook* and tell students that they will pick meals that most fifth grade students would like to eat.
 - 1. Divide students into groups and distribute a school lunch menu to each group.
 - 2. Explain that they will start by choosing a meal from the school lunch menu and then write down this selection on the lines under "Lunch" on the sheet.
 - 3. Then, they need to write down the food groups in this selection on the lines next to their meal.
 - 4. Point out that students should choose a variety of foods and can use the Pathways Nations Foods that are on the **Everyday Foods** List.
 - 5. Ask students to complete their planning of a breakfast, dinner, and snacks for their guests.
 - 6. Allow students time to complete their menus.

Week 3 - Part B

- H. Have students add up their total servings in each food group for all their mealtimes and snacks and compare this number with the recommended number of servings a day. If the total servings are less than what is recommended, additional foods must be added to meet the total number of servings a day.
 - 1. Discuss, as time permits, the many different ways to reach the recommended number of servings a day from the different food groups.
 - 2. Ask if any of the Pathways Nations Foods may have been included and have students name some of them.
 - 3. Ask students to complete their planning on this activity sheet by filling in the blanks for an American Indian game and two exercise breaks.
- I. Remind students that they can choose Sometimes Foods "once in a while" but that it is best to choose Everyday Foods most often because they are the foods that are lower in fat and the beverages that have little or no added sugar.



Activity 2 Pathways Family Challenge



Teacher Note: Please adjust this activity for students who are in a boarding program and do not return home each day. In those cases, check with the Dorm Director for dorm staff who can assist students who do not go home on weekends.

- A. Ask students to share the responses from their families who were mailed **Postcard #1 "Be Active Every Day".**
 - 1. Have a volunteer identify on which Pathways Nation was this photo taken of a mountain. (Apache)
 - 2. Ask for students to name some of the physical activities that their families like to do.

- B. Ask for a show of hands of how many students have returned their Family Challenge #1 sheet.
 - 1. Congratulate students who have completed and returned their first challenge.
 - 2. Encourage those students who have not yet returned the challenge to do so as soon as possible.
 - 3. Remind students that there is a very special reward for every student who returns all four completed Family Challenges.
- C. Distribute **Postcard #2 "Eat A Variety of Everyday Foods and Beverages"** and review the following Postcard #2 materials with students:
 - Postcard #2
 - Family Challenge #2
 - Food Guide Pyramid
 - Everyday Foods list
 - Envelope for materials
 - 1. **Optional:** Pathways staff will inform each school if they will mail Postcard #2 directly to the families.
 - 2. Instruct students to place these materials in the envelope, take them home, and complete the activities with their family.
- D. Remind students to bring back their signed Family Challenge #2 sheet as soon as both sides of it are completed.
- E. Encourage students to remember the Pathways Message to Choose a Variety of Everyday Foods and Beverages.



Activity 3 Summary of the Week

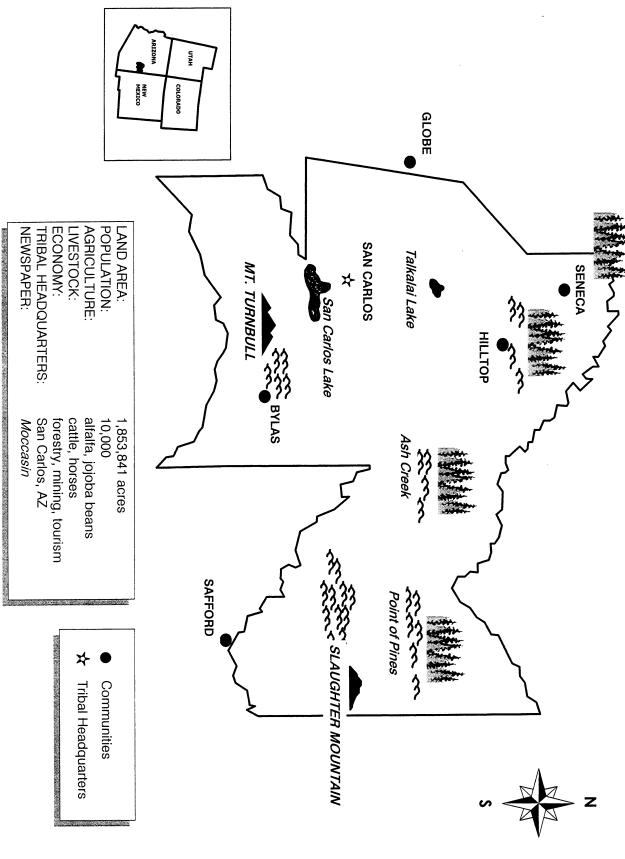


- A. Point to the **Pathways Messages** on the classroom wall and ask students which message best fits their activities this week.
 - 1. Ask for a volunteer to read aloud the message that fits their activities this week which is **Choose a Variety of Everyday Foods and Beverages.**
 - 2. Encourage students to eat a variety of foods which can help them get all the different nutrients that they need to grow healthy and strong.
 - 3. Emphasize that eating a variety of foods is the best for them and gives them many different tastes and textures and different kinds of food to enjoy.
- B. Emphasize to students that they have done a good job as a member of their group and sharing responsibilities to support each other throughout this week.
- C. Distribute the **Pathways Puzzle** to each student for completion outside of class.
 - 1. Remind students that the puzzle contains words or phrases that will give them a clue to their next class.
 - 2. Tell students that they can check their work on the puzzle and give them the location of the key to this week's puzzle.
- D. Congratulate students on their completion of activities this week.

Reminders:

- ✓ Select the Trail blazers for Week 4 Part B to complete the Blue Bead Trail.
- ✓ Jot notes down on the Teacher Interview form after completing this lesson.

SAN CARLOS APACHE TRIBE



Week 3 Story Sheet

Runner Carrying Words

unner Carrying Words (Ya ti nayi ahé)¹ moved quickly to dodge the rocky areas on the trail. In just a few hours, a little wind had made the weather colder. It was important to think about getting the Pathways Message to the next school.

The clouds moved overhead and seemed to be traveling in the same direction. In a few minutes, white snow flakes began floating in the air. Soon the trail was empty of animals who took shelter from the storm. Runner Carrying Words ran toward the desert over the soft snow.

With good thoughts, Runner reflected on how much he had enjoyed the summer. How good and warm the summer had been!

The trail seemed smoother as he ran over the new snow. It blew into even the tiniest crevice. Grass would grow well by spring with thanks to this snowstorm.

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Using the muscles in his legs, Runner moved carefully uphill. He sipped from a water bag decorated with green, black, and yellow pony beads. Mostly, he thought about the message he carried, "Eat a Variety of Foods." His thoughts went back into olden days when his tribe traded with other tribes to obtain different food. The Dee' knew that it was always important to have enough different foods for the people to survive during the wintertime.

Yes, variety was important to the great-great grandparents. They knew that there was a balance in eating different foods. In this way, they took care of themselves to lead healthy lives.

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GUESS THE SERVING SIZE

Directions:

- 1) Write down the name of the food item at a station.
- 2) Either count or measure your guess for 1 serving size.
- 3) Then, check the Nutrition Facts on the food label for the actual size of 1 serving.
- 4) Finally, count or measure the size of 1 serving according to the Nutritional Facts.
- 5) After you have visited each station, answer the question at the bottom of this sheet.

| Food Station # | Name of Food | My Guess of 1 Serving Size | Actual Serving Size (according to the Nutrition Facts) | My Guess was 🗸 |
|----------------------|-----------------|----------------------------------|--|---|
| 1 | | | | ☐ More than 1 Serving ☐ Less than 1 Serving |
| 2 | | | | ☐ More than 1 Serving ☐ Less than 1 Serving |
| 3 | | | | ☐ More than 1 Serving☐ Less than 1 Serving |
| 4 | | | | ☐ More than 1 Serving☐ Less than 1 Serving |
| 5 | | | | ☐ More than 1 Serving ☐ Less than 1 Serving |

| Which foods were the most difficult for you to guess the serving size? Why? | | | | | |
|---|--|--|--|--|--|
| | | | | | |
| | | | | | |
| · | | | | | |
| | | | | | |

Week 3 - Part A Food Stations

Food Stations

Directions: Place each food items at a separate station with the necessary measuring utensils.

Station #1: Medium-Size Bag of Potato Chips

(also - 1 paper plate)

Station #2: Quart Bottle of Apple Juice

(also - 1 plastic liquid measuring cup; 1 - 10 or 12 oz paper cup)

Station #3: Can of Green Beans

(also - 1 set of plastic measuring scoops or cups; 1 plastic bowl or plate; 1 plastic spoon)

Station #4: 10" or 12" Frozen Pizza Box

(also - cardboard wedges as examples: full circle, 1/2 circle, 1/4 circle, 1/6 circle)

Station #5: Medium-Size Package of Sunflower Seeds

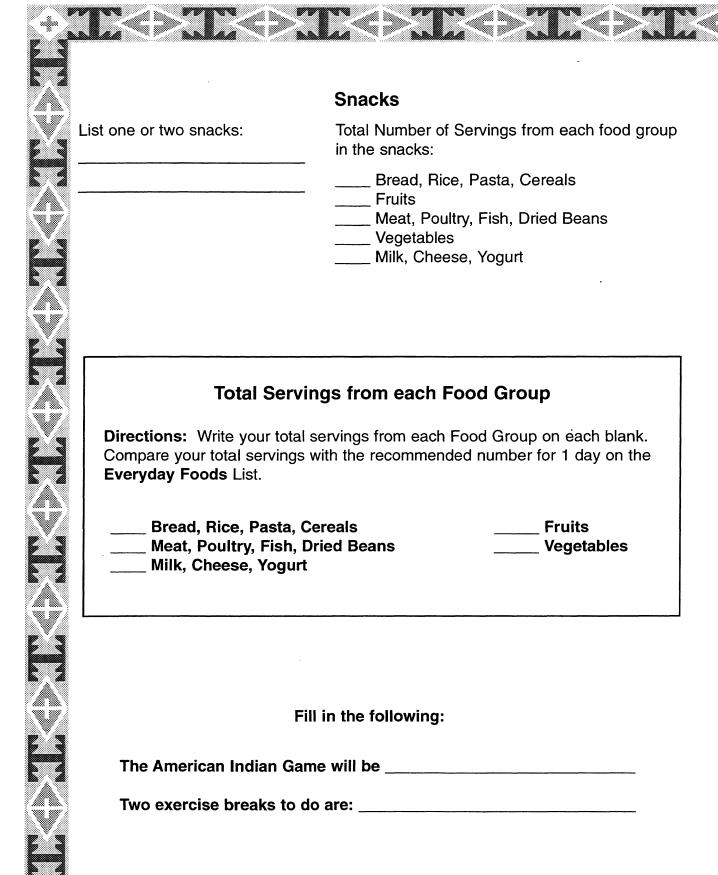
(also - 1 set of plastic measuring scoops or cups; 1 plastic bowl or plate; 1 plastic spoon)

FOR OUR PATHWAYS GUESTS

Meals, Snacks and Fun

Directions: Choose a menu for each mealtime and then count the number of food groups in each meal. If there are none, put a zero by that food group. Finally, add up the total number of servings in each food group for the whole day.

| | Breakfast |
|---------------------|---|
| Menu for Breakfast: | Total Number of Servings from each food group at breakfast: |
| | Bread, Rice, Pasta, Cereals Fruits Meat, Poultry, Fish, Dried Beans Vegetables Milk, Cheese, Yogurt |
| | Lunch |
| Menu for Lunch: | Total Number of Servings from each food group at lunch: |
| | Bread, Rice, Pasta, Cereals Fruits Meat, Poultry, Fish, Dried Beans Vegetables Milk, Cheese, Yogurt |
| | Dinner |
| Menu for Dinner: | Total Number of Servings from each food group at dinner: |
| | Bread, Rice, Pasta, Cereals Fruits Meat, Poultry, Fish, Dried Beans Vegetables Milk, Cheese, Yogurt |



Pathways Puzzle

Directions: Use these cues and find the hidden messages.

Α В Ε С - X D М Ε Т - H G H - L I - Z J - G K - I L - A М Ν

N - B
O - O
P - J
Q - W
R - K
S - C
T - D
U - Q
V - R
W - P
X - S
Y - U
Z - V

Hidden Message # 1:

ТО

XODBFGKMJ

LSFKZB

BZBVETLE

| Name: | | |
|-------|--|--|
| | | |

Directions: Use these cues and find the hidden messages.

Α E В F 0 D V Ε S Α G G U Q K K Р L Н M W

J N X D M L R Z Υ В Т X C Υ Ζ Ν

Hidden Message # 2:

MCTJQZG RHEYSAE

WTAFXLQZG LFTP

EMAFXQZG

MFTR BFYA

BFEXAT LAFTXWAFX

Pathways Puzzle

Hidden Message # 1:

D O

SOMETHING

ACTIVE

EVERYDAY

Hidden Message # 2:

WORKING MUSCLES

BREATHING HARD

SWEATING

WARM FACE

FASTER HEARTBEAT

Eat a Variety of Everyday Foods

Food Label * Information

Food label title _

Nutrition Facts

Serving Size 1/2 cup (114g) Servings Per Container 4

Number of grams (g) of fat in each serving of this food

Nutrients affecting your health with the amount in grams (g) or milligrams (mg) listed

Daily amounts of nutrients based on 2000 and 2500 calorie daily food intake

| Amount Per Servii | ng |
|--------------------------|----------------------|
| Calories 90 | Calories from Fat 30 |
| | % Daily Value* |
| Total Fat 3g | 5% |
| Saturated Fat 0 |)g 0% |
| Cholesterol Omg | 0% |
| Sodium 300mg | 13% |
| Total Carbohydrat | te 13g 4% |
| Dietary Fiber 3 | g 12% |
| Sugars 3g | |
| Protein 3g | |
| | |

* Percent Daily Values are based on a 2,000 calorie diet. Your daily values may be higher or lower depending on your calorie needs:

80% • Vitamin C

4% • Iron

| | Calories | 2,000 | 2,500 |
|---------------|-----------|--------|--------|
| Total Fat | Less than | 65g | 80g |
| Sat Fat | Less than | 20g | 25g |
| Cholesterol | Less than | 300mg | 300mg |
| Sodium | Less than | 2400mg | 2400mg |
| Total Carbohy | drate | 300g | 375g |
| Fiber | | 25g | 30g |
| | | | |

Calories per gram:

Vitamin A

Calcium

Fat 9 • Carbohydrates 4 • Protein 4

Serving size stated in commonly served portions

Daily Value is a guide to a day's intake of each nutrient

% Daily Value shows each nutrient in this food product as part of a 2000 calorie daily intake. For example, this product provides 5% of the Daily Value of fat per 1/2 cup serving

60%

4%