# Kids a Cookin' an edible experience











OPEN HEARTS OPEN MINDS OPEN DOORS.

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Kansas State University Agricultural Experiment Station and Cooperative Extension Service

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Cindy Williams, Laura Phillips, and Heather Roenne

## Did you wash your hands?"

How many times did you hear that today? Probably a lot. But why are adults so hung up on hand washing? Why are they so in love with lather?

Washing your hands is the best way to stop germs from spreading. Think about all of the things that you touched today - from the telephone to the toilet. Maybe you blew your nose in a tissue and then went outside to dig around the dirt. Whatever you did today, you came into contact with germs. It's easy for a germ on your hand to end up in your mouth. Think about how many foods you eat with your hands.

You can't wear rubber gloves all day long, but you can wash your hands so those germs don't get a chance to make you or someone else sick. When germs go down the drain, they can't make anyone sick.

The best times to wash your hands are:

- · before eating or touching food (like if you're helping cook or bake, for example)
- after using the bathroom
- · after blowing your nose or coughing
- after touching pets or other animals
- · after playing outside
- · before and after visiting a sick relative or friend

Now you have the when and the why of hand washing. But did you know that a lot of people don't know how to get their paws perfectly clean? The next time you're told to step up to the sink and scrub up, remember these handy hints:

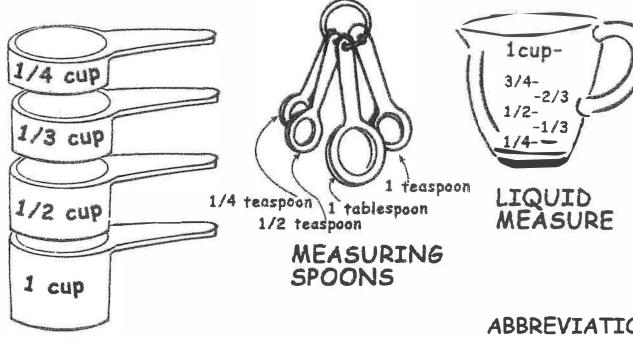
- 1. Use warm water (not cold or hot) when you wash your hands.
- 2. Use whatever soap you like. Some soaps come in cool shapes and colors or smell nice, but whatever kind that gets you scrubbing is the kind you should use. Antibacterial soaps are OK to use, but regular soap works fine.
- 3. Work up some lather on both sides of your hands, your wrists, and between your fingers. Don't forget to wash around your nails. This is one place germs like to hide. Wash for about 10 to 15 seconds about how long it takes to sing "Happy Birthday." (Sing it quickly two times or just once if you go nice and slow.)
- 4. Rinse and dry well with a clean towel.

## Safety In The Kitchen

- 1. Do not turn on a burner/element until you are ready to use it.
- 2. When using a knife, cut away from you.
- 3. Use a cutting board to protect the counter top.
- 4. Do not reach over an open flame.
- 5. Never allow a knife to lie loose in the dishwasher.
- 6. Carry sharp objects, such as knives or scissors, with the point down.
- 7. Turn the handle of a saucepan inward or toward the back of the range.
- 8. When you take the lid off a saucepan, lift the far side of the lid first so the steam will rise away from you.
- 9. If grease in a skillet or broiler should catch fire, turn off the heat at once. Then smother the fire with baking soda or salt.
- 10. Cleanliness is a good safety measure against the spread of germs. Wash hands after touching hair or blowing nose.
- 11. When you taste food that you are cooking, use a clean spoon rather than the one you have used in stirring. When you are not using them, keep your stirring and tasting spoons on a saucer nearby.
- **12**. Use a pot holder to lift a hot saucepan or other hot utensil.



## Measure it right



## DRY MEASURE

fill dry measuring cup with dry incredient and level off with flat part of table knife blade

DRY MEASURE

## **ABBREVIATIONS**

Cup = CTablespoon = Tb. teaspoon = tsp. 1/2 teaspoon = 1/2 tsp.

## MEASURING SPOONS

Fill measuring spoon with dry ingredient and level off with flat part of table knife blade

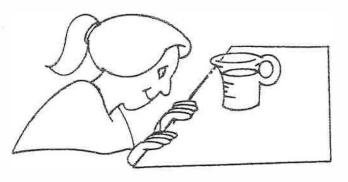


## LIQUID MEASURE

Fill liquid measuring cup with liquid to right quantity marker line

## TO CHECK

Place the cup on a flat surface and check measured quantity at eye level



## Cooking Measurement Equivalents

The information below shows measuring equivalents for teaspoons, tablespoons, cups, pints, fluid ounces, and more. This page also includes the conversions for metric and U.S. systems of measurement.

```
1 tablespoon (tbsp) = 3 teaspoons (tsp)
1/16 cup = 1 tablespoon
1/8 cup = 2 tablespoons
1/6 cup = 2 tablespoons + 2 teaspoons
1/4 \text{ cup} = 4 \text{ tablespoons}
1/3 cup = 5 tablespoons + 1 teaspoon
3/8 \text{ cup} = 6 \text{ tablespoons}
1/2 cup = 8 tablespoons
2/3 cup = 10 tablespoons + 2 teaspoons
3/4 cup = 12 tablespoons
1 cup = 48 teaspoons
1 cup = 16 tablespoons
8 fluid ounces (fl oz) = 1 cup
1 pint (pt) = 2 cups
1 quart (qt) = 2 pints
4 cups = 1 quart
1 gallon (gal) = 4 quarts
16 ounces (oz) = 1 pound (lb)
1 milliliter (ml) = 1 cubic centimeter (cc)
1 inch (in) = 2.54 centimeters (cm)
```

## Cooking Dictionary for Kids

Learning What Basic Terms Mean

### Bake

To cook in an oven

#### Beat

To mix ingredients together with a fork, whisker, or mixer at a high speed. The purpose of this

action is to add air to the mixture, which makes it smooth.

### Blend

To mix two or more ingredients together with a spoon or mixer.

#### Boil

To heat liquid to the point that it bubbles vigorously. The point at which liquid boils is 212 degrees Fahrenheit (100 degrees Celsius).

### **Broil**

To bake something at a very high temperature in the oven under the broiler. This helps turn foods brown on top. If not watched carefully, though, it can burn food quickly. It is very important to follow cooking directions when using a broiler.

#### Celsius

A measure of temperature where 0 degrees is the freezing point and 100 degrees is the boiling point of water. You will often see this abbreviated as C.

#### Chill

To place food in the refrigerator to make it cold.

## Chop

To cut into small pieces on a cutting board.

#### Cool

To let food recently cooked stand at room temperature until no longer warm.

#### Cream

To mix butter and sugar together in a bowl with a spoon or whisk until it becomes creamy.

#### Cube

To cut food into small square pieces.

### Dash

A small amount of an ingredient such as pepper or salt, meaning to shake out one drop or sprinkle from a shaker.

#### Dice

To cut into cubes of the same small size.

















(continued next page)



### Dissolve

To stir a dry or powdered ingredient with liquid until it disappears.



A mixture of flour and water that is thick enough to roll and knead. You can also drop it from a spoon.



To remove liquid from food by putting it into a colander to separate the food from the liquid. The liquid will "drain" into the sink or a pot.

## Drizzle

To pour lightly from a spoon over food.

## Dust

To lightly cover food with a dry ingredient, such as confectioner's sugar.



A measure of temperature where 32 degrees is the freezing point and 212 degrees is the boiling points. You will often see this abbreviated as F.

## Fold

To combine ingredients using a gentle up and down motion with a spoon.

### Grate

To rub food on a grater's punched holes to make small pieces of food.

### Grind

To cut or crush food in a grinding machine or blender.

#### Knead

To mix dough into a smooth texture by pressing and folding with your hands until soft and smooth.

#### Measure

To use measuring cups and spoons to get the right amount of an ingredient.

### Melt

To turn a solid into liquid by placing it over heat.

#### Mince

To chop very finely.

#### Mix

To combine ingredients together so they are blended evenly.

#### Peel

To remove the skin of a food using a peeling instrument (such as cucumbers and carrots).















#### Roast

To cook in the oven using dry heat.

#### Saute

To cook quickly in a pan over medium-high heat with a small amount of fat or liquid.

## Shred

To rub a large food across a surface with medium to large holes or slits to make small pieces.

## Sift

To put a dry ingredient in a sifter to break up the lumps and make it fine.

### Simmer

To cook over a low heat to keep a food warm, but not let it boil.

### Slice

To cut food into thin pieces with a knife.

#### Stir

To mix in a rounded motion with a spoon or whisk.

### Toss

To mix several ingredients by lightly shaking the bowl the ingredients are in.

## Whip

To beat rapidly, usually with a spoon, whisk, or blender, to add air into the mixture.

#### Whisk

To beat ingredients together with a wire whip until they are well blended.

Source: Share Article | June 2, 2007 Denise Oliveri

Read more at Suite101: Cooking Dictionary for Kids: Learning What Basic Terms Mean http://kids-cooking.suite101.com/article.cfm/cooking\_dictionary\_for\_kids#ixzz0ptpWpVG7

















# The Best Popcorn Trail Mix Sweet, salty, and full of crunch. This popcorn trail mix has it all! Pack it for work, school or a road trip for an easy high fibre snack. Prep Time Total Time 10 mins 10 mins Course: Snack Cuisine: American Keyword: Make Ahead, meal prep Servings: 12 Ingredients 6 cups popcorn of choice 1 cup pretzels 1 cup nuts or seeds almonds, cashew, peanuts, walnuts, sunflower seeds etc. ½ cup chocolate 1 cup roasted chickpeas 1 cup Shreddies or cereal of choice ½ cup dried bananas ½ cup crushed graham crackers 1/4 cup hemp seeds

#### Instructions

1. In a large bowl or glass jar, add popcorn and layer with toppings of choice. Use a large spoon (or pour into a large Tupperware) to mix together the trail mix ingredients.

#### **Nutrition**

Calories: 222kcal | Carbohydrates: 26g | Protein: 7g | Fat: 11g | Saturated Fat: 2g | Polyunsaturated Fat: 4g | Monounsaturated Fat: 5g | Trans Fat: 0.01g | Sodium: 203mg | Potassium: 206mg | Fiber: 5g | Sugar: 4g | Vitamin A: 98IU | Vitamin C: 1mg | Calcium: 62mg | Iron: 4mg

## Easy Homemade Flour Tortillas

Serves 12

20 mins prep

10 mins cook

30 mins total

## What you need

3 cups all purpose flour

2 teaspoons baking powder

1½ teaspoons kosher salt

5 tablespoons salted butter, at room temperature (or coconut oil)

1 cup hot water

## How to make

- 1. In a bowl, combine the flour, baking powder, and salt. Add the butter, then pour over the hot water. Stir until a shaggy dough begins to form.
- 2. Turn the dough out onto a floured counter. Use your hands to knead the dough for 1-2 minutes until it forms a smooth ball. Cover the bowl with a damp towel and let rest 10 minutes.
- 3. Cut the dough into 12-14 equal wedges, then roll each wedge into a ball (they don't need to be perfect). Use a rolling pin or a tortilla press to roll the dough out into an 8 inch circle.
- 4. Heat a skillet over medium-high heat. Add a small drizzle of olive oil, then a tortilla. Cook 30-60 seconds, until little bubbles appear on the surface. Flip and cook another 30 seconds, or until the bottom is slightly golden. Set on a plate and cover with a towel. Repeat with the remaining dough.
- 5. Serve warm (yum!) or save for later. Keep the tortillas stored in an airtight container for up to 3 days.

## **Nutrition**

l tortilla: 159 calories, Sg fat (lg saturated fat), O cholesterol, 148mg sodium, 24g carbohydrate (0 sugars, lg fiber), 3g protein. **Diabetic Exchanges:** l.500 starch, l fat.



## **Cheese Quesadilla**



This cheese quesadilla is made on a flour tortilla on the stovetop! Just heat your pan, add butter, and build your quesadilla and eat in just 5 minutes!

 Street
 Entree, Lunch

 Mexican

Prep Time 0 minutes 5 minutes

**X** 0 minutes

Total Time 5 minutes

Servings 2 servings
Calories 365kcal

Author
Yumna Jawad

## **Equipment**

Anodized Nonstick Cookware

## **Ingredients**

- 2 teaspoons unsalted butter or olive oil
- 2 10-inch flour tortillas
- ½ cup shredded cheddar cheese
- Guacamole for serving

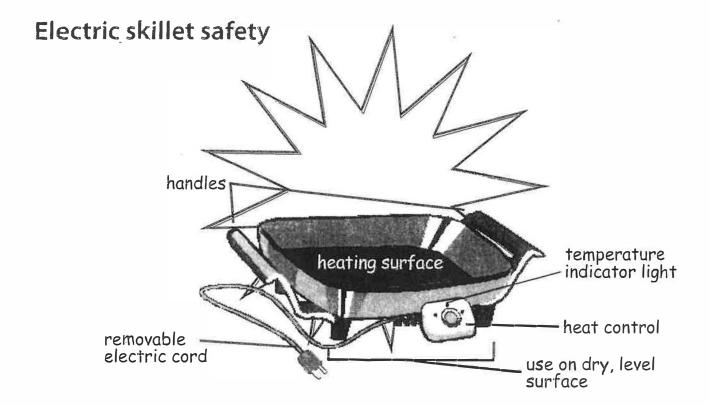
#### Instructions

- 1. Heat the butter or olive oil in a large non-stick skillet over medium-high heat.
- 2. Add one tortilla to the pan and scatter the cheddar cheese in an even layer all over the tortilla. Place the second tortilla on top of the cheese.
- 3. Cook for 2-3 minutes or until the bottom of the tortilla starts to become golden brown. Carefully flip the tortilla and cook on the other side for 2-3 minutes or until the bottom of the tortilla becomes golden brown.
- 4. Remove the quesadilla from the pan and place on a cutting board. Use a knife or pizza cutter to cut the quesadilla into 6 triangles. Serve with quacamole or your favorite dipping sauce.

## **Nutrition**

Calories: 365kcal | Carbohydrates: 35g | Protein: 12g | Fat: 19g | Saturated Fat: 10g | Polyunsaturated Fat: 2g | Monounsaturated Fat: 4g | Trans Fat: 0.2g | Cholesterol: 39mg | Sodium: 701mg | Potassium: 110mg | Fiber: 2g | Sugar: 3g | Vitamin A: 408IU | Calcium: 303mg | Iron: 3mg





## Safety:

- Always attach heat control to skillet first, then plug cord into wall outlet.
- After cooking, turn heat control to "off" and unplug from wall outlet. Let skillet cool before removing heat control.
- Use skillet on a dry, level surface. Make sure your hands and the floor are dry.
- Don't leave skillet plugged in when not in use.
- Don't let the cord touch hot surfaces or hang over the edge of the counter.

## Preheat and cooking:

- Preheat skillet uncovered for 2 to 4 minutes until desired temperature is reached, unless your recipe says not to preheat.
- When the signal light goes out, the desired temperature has been reached.
- Don't touch skillet or cover when they are in use
- they get very hot!
- Use the handles and knobs to lift and carry the skillet.

## Cleaning:

- Always unplug skillet before cleaning.
- Let the skillet cool before washing.
- Don't immerse heat control, cord or plug in water.
- Don't pour cold water into a hot skillet it could cause the metal to warp.

## **Fresh Strawberry Muffins**

Fresh strawberry muffins.

Submitted by Jen Pretty

Prep Time: 15 mins Cook Time: 20 mins Total Time: 35 mins

**Servings:** 12 **Yield:** 12 muffins



3/4 cup white sugar

½ cup butter, softened

1 egg

2 cups all-purpose flour

2 teaspoons baking powder

½ teaspoon salt

½ cup milk

½ teaspoon vanilla extract

1 1/2 cups chopped strawberries

3 teaspoons white sugar

½ teaspoon ground cinnamon



## **Directions**

### Step 1

Preheat the oven to 400 degrees F (200 degrees C). Grease a 12-cup muffin tin or line with paper liners.

#### Step 2

Beat 3/4 cup sugar and butter together in a mixing bowl using an electric mixér until creamy. Add egg and mix well.

## Step 3

Sift flour, baking powder, and salt together in a small bowl. Add flour mixture and milk alternately to butter mixture until combined. Stir in vanilla extract. Gently stir in strawberries.

## Step 4

Spoon batter into the prepared muffin cups. Combine 3 teaspoons sugar and cinnamon in a small bowl and sprinkle over tops of muffins.

### Step 5

Bake in the preheated oven until a toothpick inserted into the center of a muffin comes out clean, 20 to 25 minutes.

## **Nutrition Facts**

Per serving: 214 calories; total fat 9g; saturated fat 5g; cholesterol 37mg; sodium 243mg; total carbohydrate 32g; dietary fiber 1g; total sugars 15g; protein 3g; vitamin c 11mg; calcium 69mg; iron 1mg; potassium 74mg

## Cowboy Cookie Mix in a Jar

Cowboy cookies in a jar — layered for a beautiful mix that is great for gift-giving or bake sales.

Submitted by Phyllis

**Prep Time:** 25 mins **Total Time:** 25 mins

Servings: 18

Yield: 3 dozen cookies

## Ingredients

1 ⅓ cups rolled oats

½ cup packed brown sugar

1/2 cup white sugar

1/2 cup chopped persons

1 cup semisweet chocolate chips

1 ⅓ cups all-purpose flour

1 teaspoon baking powder

1 teaspoon baking soda

1/4 teaspoon salt



## **Directions**

## Step 1

Layer the ingredients in a 1-quart jar in the order given. Press each layer firmly in place before adding the next layer.

## Step 2

Include a card with the following instructions — Cowboy Cookie Mix in a Jar: 1. Preheat the oven to 350 degrees F (175 degrees C). Grease cookie sheets. 2. In a medium bowl, mix together 1/2 cup melted butter or margarine, 1 egg, and 1 teaspoon of vanilla. Stir in the entire contents of the jar. You may need to use your hands to finish mixing. Shape into walnut-sized balls. Place 2 inches apart on prepared cookie sheets. 3. Bake for 11 to 13 minutes in the preheated oven. Transfer from cookie sheets to cool on wire racks.

## **Nutrition Facts**

Per serving: 167 calories; total fat 6g; saturated fat 2g; sodium 133mg; total carbohydrate 29g; dietary fiber 2g; total sugars 17g; protein 2g; calcium 30mg; iron 1mg; potassium 86mg



## Plant Part Salad

This recipe contains more than one type of fruit or vegetable, rich in different nutrients. Try many colors and kinds. This recipe is an excellent source of vitamin A, which keeps eyes and skin healthy and vitamin C, which keeps gums and blood vessels healthy.



## Ingredients:

6 cups leaves such as lettuce, spinach, chard

1 cup roots such as beets, carrots, radishes

2 cups flowers such as broccoli, cauliflower

1 cup **stems** such as celery, broccoli stems, chard stems

2 cups fruit such as apple, tomato, cucumber

1/4 cup seeds such as sunflower seeds, peas, beans

### Dressing:

2 tablespoons fruit juice or vinegar such as lemon, orange or apple cider vinegar

2 tablespoons oil

1 clove garlic, minced

## Directions:

- 1. Wash all fruits and vegetables.
- 2. Tear leaves into small pieces. Place in large bowl.
- 3. Cut or grate roots, stems, flowers and fruit into bite-sized pieces. Add to bowl.
- 4. Add seeds to bowl.
- 5. Make dressing by combining oil, juice or vinegar, and garlic in a small container with a secure lid. Shake until well mixed.
- 6. Pour dressing over salad and toss lightly.



Servings: 12 Serving size: 1 cup

## Nutrition information (per serving):

Calories: 60 Total Fat: 4g

(Saturated Fat: 0.5g) Cholesterol: Omg Dietary Fiber: 2g Sodium: 20mg



Source: Oregon State University Extension Service. For more recipes and other resources on eating well for less, visit the OSU web site at www.foodhero.org

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## Go eat a plant!

Leaves: gather energy from the sun, turn nutrients into food for the plant.

- Brussels Sprouts
- Cabbage
- Chard
- Kale
- Lettuce
- Mustard Greens
- Turnip Greens
- Spinach

Roots: gather nutrients and water from the soil.

- Potatoes
- Beets
- Carrots
- Onions
- Parsnips
- Radishes
- Sweet Potatoes
- Turnips

**Stems:** transport nutrients and water to different plant parts, allowing the plant to grow and change.

- Celery
- Asparagus
- Mushrooms

Flowers: turn into fruits and the seeds they bear.

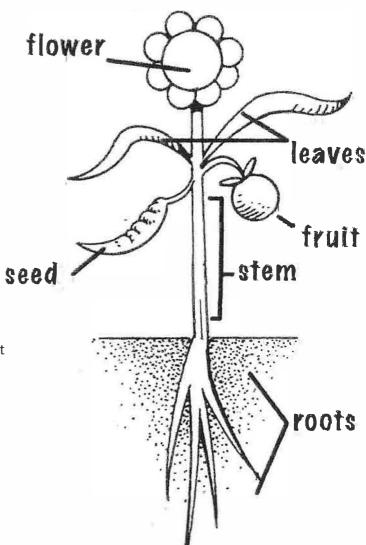
- Broccoli
- Cauliflower
- Artichoke

Fruits: protect and nourish the seeds.

- Tomatoes
- Cucumbers
- Peppers
- Eggplant
- Pumpkin
- Squash

Seeds: take root and grow into new plants.

- Corn
- Green Beans
- Peas



## Fun with vegetables.....



## Let your imagination create awesome edible art!!!

<u>Suggested foods</u>: Celery sticks, cucumber rounds, grape tomatoes, spinach leaves, blue berries, strawberries, edible googly-eyes, along with peanut butter or softened cream cheese to hold altogether.

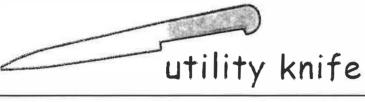
# Fun with vegetables.....



## Knives



8 to 10 inches Used for chopping, slicing, dicing and mincing



6 to 8 inches
Used for smaller cutting
jobs



8 to 10 inches
Great for cutting bread



paring knife

Store them separately.

Cut away from you.

Use a cutting board.

2 to 4 inches
Used for peeling
fruits and vegetables,
removing stems from
strawberries, and making
vegetable decorations

Be careful with knives. Keep knives on the cutting board when not in use.



## Farmers' Market Salsa

Think you don't like vegetables? Think again!



Serves 8

## Kids' Tool Kit

Mixing bowl Strainer Measuring cups Measuring spoons Knife Cutting board Spoon

## Ingredients:

1/2 cup corn, fresh cooked or frozen

- 1 can (15 ounce) black beans, drained and rinsed
- 1 cup fresh tomatoes, diced
- 1/2 cup onion, diced
- 1/2 cup green pepper, diced
- 2 tablespoons lime juice
- 2 cloves garlic, finely chopped
- 1/2 cup picante sauce



## Chef's Choice

Farmers' Market Salsa Baked chips Veggie sticks Milk



#### Directions:

### Remember to wash your hands!

- 1. Combine all ingredients in a large bowl. Chill until serving time.
- 2. Drain before serving.
- 3. Serve with low fat baked tortilla chips or fresh vegetables.



Helpful Hints: This salsa uses fresh vegetables that are available yearround and add flavor and beautiful color. Kids and grown-ups alike can't resist how good it tastes. If you have a hand-held chopper, this is an easy task for kids in helping with the recipe.



Safety Tip: If cutting the corn off the cob, adult supervision is a good idea

#### Nutrition Facts Serving Size 1/2 cup (125g) Servings Per Container 8 Amount Per Serving Calories 70 Calories from Fat 5 % Daily Value Total Fat 0.5g 1% Saturated Fat Og 0% Cholesterol Omg 0% Sodium 230mg 7% Total Carbohydrate 13g 4% Dietary Fiber 4g Sugars 2g Protein 4g Vitamin A 4% Vitamin C 30% Calcium 2% Iron 8% \*Percent Daily Values are based on a 2,000 calorie diet. Your daily values may be higher or lower depending on your calorie needs

falories per gram Fal 9 • Carbohydrate 4 • Protein 4

For more information about this and other fun recipes: contact your county extension office or visit the Web site at www.kidsacookin.ksu.edu, or e-mail kidsacookin@ksu.edu.