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The 4-H Baking II project is designed to build upon basic concepts learned in the Baking I project. In Baking II, you will learn how to make more advanced types of quick breads and cookies. You also will review basic measuring techniques and baking terms, and demonstrate the proper way to use baking equipment and utensils when making the recipes in this project.

**You will learn:**
- How to make new quick breads, including quick-loaf breads, coffeecake, cornbread and gingerbread
- How to make different types of cookies, including brownies, bars, slice-and-bake refrigerator cookies and shaped cookies

**To complete this project you should:**
- Attend 4-H club meetings and baking project meetings as available in your county
- Give a demonstration or presentation to teach others what you have learned from this project
- Participate in citizenship activities
- Develop leadership skills through your club and county activities
- Keep records of your project work and accomplishments
- Make and exhibit baked products at your county fair or achievement day

**Exhibit Ideas***
- Basic nut bread
- Banana nut bread
- Zucchini bread
- Quick coffeecake
- Fruit-filled coffeecake
- Brown sugar nut cookies
- Gingerbread
- Jam thumbprint cookies
- Peanut butter blossom cookies
- Plain brownies
- Cornbread
- Butterscotch bars

*Follow 4-H exhibit guidelines
Eating Well

“MyPyramid” has been rebuilt and it’s now a plate! Here’s what the colors stand for:
- orange - grains
- green - vegetables
- red - fruits
- blue - dairy foods
- purple - protein foods

The U.S. Department of Agriculture (USDA) wanted an easier way to remind people to eat healthfully. MyPlate shows the five food groups using a familiar picture: a place setting with a plate, cup and fork.

MyPlate Speaks

Let’s look at some of the other messages this new symbol is trying to send:

Balancing Calories
- Enjoy your food, but eat less.
- Avoid oversized portions.

Foods to Increase
- Make half your plate fruits and vegetables.
- Make at least half your grains whole grains.
- Switch to fat-free or low-fat (1%) milk.

Foods to Reduce
- Compare sodium in foods such as soup, bread and frozen meals. Choose foods with lower numbers.
- Drink water instead of sugary drinks.

Make it personal.
Through the USDA’s MyPlate website (www.choosemyplate.gov), you can get personalized recommendations about the mix of foods you need to eat and how much you should be eating.
How Much Do I Need to Eat?
Everyone wants to know how much he or she should eat to stay healthy. That’s a tricky question, though. It depends on your age, whether you’re a girl or boy, and how active you are. Kids who are more active burn more calories, so they need more calories. But we can give you some estimates for how much you need of each food group.

**Grains**
Grains are measured in ounce equivalents. What are they? Ounce equivalents are just another way of showing a serving size.
Here are ounce equivalents for common grain foods. An ounce equivalent equals:
- 1 piece of bread
- ½ cup of cooked cereal, such as oatmeal
- ½ cup of rice or pasta
- 1 cup of cold cereal

- 4- to 8-year-olds need 4 to 5 ounce equivalents each day.
- 9- to 13-year-old girls need 5 ounce equivalents each day.
- 9- to 13-year-old boys need 6 ounce equivalents each day.

And one last thing about grains: Make at least half your grain food choices whole grains, such as 100 percent wheat bread, brown rice and oatmeal.

**Vegetables**
Of course, you need your vegetables, especially those dark green and orange ones. But how much is enough? Vegetable servings are measured in cups.

- 4- to 8-year-olds need 1½ cups of veggies each day.
- 9- to 13-year-old girls need 2 cups of veggies each day.
- 9- to 13-year-old boys need 2½ cups of veggies each day.

**Fruits**
Sweet, juicy fruit definitely is part of a healthy diet. Here’s how much you need:

- 4- to 8-year-olds need 1 cup to 1½ cups of fruit each day.
- 9- to 13-year-old girls need 1½ cups of fruit each day.
- 9- to 13-year-old boys need 1½ cups of fruit each day.

**Dairy Foods**
Dairy foods are rich in calcium to build strong bones to last a lifetime.

- 4- to 8-year-olds need 1 to 2 cups of milk (or other calcium-rich food) each day.
- 9- to 13-year-old girls need 3 cups of milk (or other calcium-rich foods) each day.
- 9- to 13-year-old boys need 3 cups of milk (or other calcium-rich foods) each day.

If you want something other than milk, you can substitute yogurt, cheese or calcium-fortified orange juice — just to name a few.

**Protein Foods**
These foods contain iron and lots of other important nutrients. Like grains, these foods are measured in ounce equivalents.

An ounce equivalent of this group would be:
- 1 ounce of meat, poultry or fish
- ¼ cup cooked dry beans
- 1 egg
- 1 tablespoon of peanut butter
- a small handful of nuts or seeds

- 4- to 8-year-olds need 3 to 4 ounce equivalents each day.
- 9- to 13-year-old girls need 5 ounce equivalents each day.
- 9- to 13-year-old boys need 5 ounce equivalents each day.

Whoa! That’s a lot to swallow. The good news is that your mom, dad and the other grownups in your life will help you eat what you need to stay healthy. Here’s more good news: You don’t have to become a perfect eater overnight.

Adapted with permission from
http://kidshealth.org/kid/stay_healthy/food/pyramid.html
enjoy your food, but eat less

10 tips to enjoying your meal

You can enjoy your meals while making small adjustments to the amounts of food on your plate.
Healthy meals start with more fruits, vegetables, grains, protein foods, and dairy. Drink and eat less sodium, saturated fat, and added sugars.

1 get to know the foods you eat
Use the SuperTracker to find out what kinds of foods and how much to eat and to get tips and support for making better food choices.

2 take your time
Be mindful to eat slowly, enjoy the taste and textures, and pay attention to how you feel. Use hunger and fullness cues to recognize when to eat and when you’ve had enough.

3 use a smaller plate
Use a smaller plate at meals to help with portion control. That way you can finish your entire plate and feel satisfied without overeating.

4 if you eat out, choose healthier options
Check and compare nutrition information about the foods you are eating. Preparing food at home makes it easier to control what is in your meals.

5 satisfy your sweet tooth in a healthy way
Indulge in a naturally sweet dessert dish—fruit! Serve a fresh fruit cocktail or a fruit parfait made with yogurt. For a hot dessert, bake apples and top with cinnamon.

6 choose to eat some foods more or less often
Choose more vegetables, fruits, whole grains, and fat-free or 1% milk and dairy products. Cut back on foods high in solid fats, added sugars, and salt.

7 find out what you need
Get your personalized plan by using the SuperTracker to identify your food group targets. Compare the foods you eat to the foods you need to eat.

8 sip smarter
Drink water or other calorie-free beverages, 100% juice, or fat-free milk when you are thirsty. Soda and other sugar-sweetened beverages contain added sugar and are high in calories.

9 compare foods
Check out the Food-A-Pedia to look up and compare nutrition information for more than 8,000 foods.

10 make treats “treats,” not everyday foods
Treats are great once in a while. Just don’t make treat foods an everyday choice. Limit sweet treats to special occasions.

Go to www.ChooseMyPlate.gov for more information.
choosing whole-grain foods

Whole grains are important sources of nutrients such as zinc, magnesium, B vitamins, and fiber. There are many choices available to make half your grains whole grains. But whole-grain foods should be handled with care. Over time and if not properly stored, oils in whole grains can cause spoilage. Consider these tips to select whole-grain products and keep them fresh and safe to eat.

1. **search the label**
   Whole grains can be an easy choice when preparing meals. Choose whole-grain breads, breakfast cereals, and pastas. Look at the Nutrition Facts labels and ingredients lists to find choices lower in sodium, saturated (solid) fat, and added sugars.

2. **look for the word “whole” at the beginning of the ingredients list**
   Some whole-grain ingredients include whole oats, whole-wheat flour, whole-grain corn, whole-grain brown rice, and whole rye. Foods that say “multi-grain,” “100% wheat,” “high fiber,” or are brown in color may not be a whole-grain product.

3. **kids can choose whole grains**
   Your kids can choose whole grains at school. Encourage healthier choices at home by adding whole grains into their favorite recipes, meals, and snacks.

4. **find the fiber on label**
   If the product provides at least 3 grams of fiber per serving, it is a good source of fiber. If it contains 5 or more grams of fiber per serving, it is an excellent source of fiber.

5. **is gluten in whole grains?**
   People who can’t eat wheat gluten can eat whole grains if they choose carefully. There are many whole-grain products, such as buckwheat, certified gluten-free oats or oatmeal, popcorn, brown rice, wild rice, and quinoa that fit gluten-free diet needs.

6. **check for freshness**
   Buy whole-grain products that are tightly packaged and well sealed. Grains should always look and smell fresh. Also, check the expiration date and storage guidelines on the package.

7. **keep a lid on it**
   When storing whole grains from bulk bins, use containers with tight-fitting lids and keep in a cool, dry location. A sealed container is important for maintaining freshness and reducing bug infestations.

8. **buy what you need**
   Purchase smaller quantities of whole-grain products to reduce spoilage. Most grains in sealed packaging can be kept in the freezer.

9. **wrap it up**
   Whole-grain bread is best stored at room temperature in its original packaging, tightly closed with a quick-lock or twist tie. The refrigerator will cause bread to lose moisture quickly and become stale. Properly wrapped bread will store well in the freezer.

10. **what’s the shelf life?**
    Since the oil in various whole-grain flours differs, the shelf life varies too. Most whole-grain flours keep well in the refrigerator for 2 to 3 months and in the freezer for 6 to 8 months. Cooked brown rice can be refrigerated 3 to 5 days and can be frozen up to 6 months.

Go to www.ChooseMyPlate.gov for more information.
Why Do We Eat?
We know everyone needs food to live. But why?
Food gives you two things:
• Energy to move and to do things
• Stuff to help you grow and stay healthy
Just like a car needs fuel to run, your body needs food for energy. Without energy, you couldn’t run or play.
Besides giving you energy, food helps you grow and heal. When you skin a knee or an elbow, your body needs to fix or replace the skin you scraped off. If you get sick, your body needs to fight the infection, rebuild weak body parts and get well. Your body also keeps you from getting too hot or cold. Nutrients are the things in food that help your body perform all these functions. So your body doesn’t need just the food, it needs the nutrients in the food.

Nutrients — Who Needs Them?
Nutrients are chemical substances that your body gets from the food you eat. Each nutrient has a different job to do. They all are necessary in specific amounts, but your body knows how to handle it all! You’re an amazing machine!
• Vitamin A helps you see in the dark.
• Water regulates body temperature.
• Calcium builds strong bones and teeth.
• Fat gives you energy and carries some vitamins to where the body needs them.
• Iron helps your blood carry oxygen to all parts of your body — even your toes!
• Protein builds and repairs muscles and other parts of your body.
• Vitamin C helps heal cuts.
• Carbohydrates give you energy to grow, move and do things.
Getting Ready to Bake

In the Baking I project, you learned how to use basic kitchen equipment, measure ingredients properly for success, follow kitchen and food safety rules, and get ready to bake.

In Review: Remember To . . .
Read the recipe carefully before you begin. Make sure you read the recipe from start to finish and understand exactly what you will be doing, how to do it and about how much time you will need. Ask an adult to help explain steps or procedures that you don’t understand.

Clear a work space. The less clutter, the less chance that you will make a mistake when baking. Make sure kitchen counters are clean and your hands are washed.

Get your equipment ready. Set out all the equipment and utensils you need for the recipe. Check pans and bowls to make sure they are the same size and type the recipe suggests.

Gather all ingredients. Check the recipe’s ingredient list and gather them around your work space. Remember to measure all ingredients carefully. Even small changes in the amount of ingredients added to a recipe or the temperature of your oven may make a big difference in the success of your final baked product.

Ready . . . well, almost!
Let’s Talk About Ingredients

Flour

Some flours are made from soft wheats, others from hard wheats, and others are a combination of both soft and hard wheat. The type of flour affects the texture of baked products. All-purpose flour will be used in all of the recipes in this project.

All-purpose flour: A blend of soft and hard wheat flours are used to make this multipurpose flour, which can be used in a wide range of baked products. All-purpose flour should be stored in an airtight container in a cool, dry place. To measure, stir flour with a spoon to lighten it. Gently spoon flour into a dry measuring cup. Level off the top with the straight edge of a knife or metal spatula.

Sweeteners

In baking, sweeteners add flavor, tenderness and a bit of browning to baked goods. Sweeteners may be granular, as in granulated white and brown sugar, or liquid, as in honey, corn syrup and molasses.

White, Granulated Sugar

This is the most common sweetener used in baking. It is made from sugar cane or sugar beets. Measure by spooning into a dry measuring cup and leveling the top off with the straight edge of a knife or metal spatula.

Brown Sugar

Brown sugar is a mixture of granulated sugar and molasses, which gives it flavor and color. Brown sugar is available in both light and dark varieties. To measure, pack firmly in a dry measuring cup and level off the top with the straight edge of a knife or metal spatula. Brown sugar sometimes can be lumpy or hard. If lumpy, press through a sieve before adding to your recipe. To quickly soften hardened brown sugar, place in a microwave-safe glass dish. Add one apple wedge or one slice of white bread. Heat, covered, on high power for 30 to 40 seconds. Let stand 30 seconds; remove apple or bread and stir sugar before measuring.

Powdered Sugar

Also known as confectioner’s sugar, this type of sugar actually is granulated sugar that has been milled to a fine powder, then mixed with cornstarch to prevent lumping. Sift powdered sugar before using; do not substitute for granulated sugar. Lightly spoon into dry measuring cup; level with straight edge of a knife or metal spatula.

Molasses

Molasses is a thick, dark brown syrup generally made from the juice pressed from sugar cane during refining. It mainly is used for flavoring gingersnaps and gingerbread, and also adds sweetness to other baked goods. Molasses comes in light and dark varieties. To measure, pour molasses into a liquid measuring cup until you reach the desired measurement.
Fats
Many baked products rely on fats for flavor and tenderness.

Shortening
Shortening is a solid fat that is made from vegetable oils. To measure, press firmly into a dry measuring cup with a spoon or rubber scraper, making sure to press out any air bubbles. Level the excess shortening off with the straight edge of a knife or metal spatula. Shortening is packaged in sticks that are marked by tablespoon or cup measurements. Use a knife to cut on the mark that shows the amount you need. Plain and butter-flavored types are available. Shortening should be stored at room temperature.

Butter
Butter is made from fresh or soured cream and may be purchased unsalted or salted, which adds flavor and increases the shelf life of the butter. Butter is stored in the refrigerator and should be kept covered to retain its flavor and keep it from absorbing other food odors. Since butter most often is packaged in stick form, it is easy to measure by checking the markings on the wrapper and cutting the amount you need with a knife. If the wrapper is not marked, measure it as you would shortening.

Margarine
Margarine contains fat, water, milk solids and salt. It was developed in the late 1800s as a substitute for butter. For best results when baking, use margarine that has at least 80 percent vegetable oil or fat. Lighter margarines, which should be used only as table spreads, contain additional water and milk solids that may affect the quality of baked goods. Margarine and butter are measured in the same way. Store in the refrigerator.

Vegetable Oil
Vegetable oils generally are made from corn, soybeans, sunflower seeds or peanuts and should be measured in a liquid measuring cup for accuracy. Do not substitute vegetable oil for solid fats such as butter or shortening. Store at room temperature.

Eggs
Large eggs are needed for the recipes in this project book. If you use an egg size other than large, you may need to increase or decrease the number of eggs you use in the recipe. A large egg equals 1/3 cup when measured.

Egg Safety
Eating raw or undercooked eggs can be hazardous, especially to older people, infants, young children, pregnant women and the seriously ill. This is why eating raw cookie dough or other uncooked products containing raw eggs is not a good idea. Commercial egg products, purchased in the grocery store, are safe to use because any salmonella bacteria has been destroyed. Eggs should be stored in their carton in the refrigerator.
Baking Powder and Baking Soda
Baking powder and baking soda are leavening agents that add lightness to baked goods, causing them to “rise” by producing carbon dioxide. Double-acting baking powder produces gases in two stages: first, when liquids are added and second, during baking. Baking soda creates carbon dioxide bubbles instantly when mixed with ingredients such as buttermilk, so recipes that use only baking soda and no baking powder should be baked right away.

Milk
Milk and milk products are used in baking to provide moisture, flavor and color. They also help baking soda and baking powder begin working in baked products. Whole, low-fat and skim milk are different in the amount of fat they contain, but can be used in baked products without making any changes. Whole milk may give baked products a richer flavor than skim milk. Milk should be measured in a liquid measuring cup for accuracy.

Buttermilk
Buttermilk is low-fat or skim milk with an added bacterial culture. It is thick and creamy with a bit of a sour taste. Powdered buttermilk also is available. Follow package directions for making buttermilk. Sour milk can be made and substituted for buttermilk. To make sour milk, place 1 tablespoon lemon juice or vinegar into a liquid measuring cup and add enough milk to make 1 cup total liquid. Let the mixture stand five minutes before using in your recipe.

Chocolate
Different types of chocolate vary in flavor and texture when melted, so be sure to use the correct type of chocolate called for in the recipe. Store chocolate in a tightly covered container or sealed plastic bag in a cool, dry place to prevent a chocolate “bloom” or gray film from forming.

Unsweetened Chocolate Squares
This type of chocolate is sometimes called baking or bitter chocolate since it is unsweetened and has no added flavoring.

To melt chocolate:
1. Place chocolate pieces or squares in a heavy saucepan on the lowest possible heat setting. Stir chocolate as it melts, watching carefully to avoid overheating. Or . . .
2. Place chocolate pieces or squares in a microwave-safe measuring cup or bowl. Microwave uncovered, on high (100 percent) power, for one minute; stir. Continue microwaving, 10 to 20 seconds at a time, stirring between times, until chocolate is smooth.

Unsweetened Cocoa Powder
When substituting cocoa for chocolate squares, use 1/4 cup cocoa plus two teaspoons of shortening or butter for each 1 ounce chocolate square.

Nuts
Whole or chopped, plain or salted, nuts add a rich flavor and texture to baked products. Favorite varieties include pecans, walnuts, peanuts and almonds. You can substitute many other varieties of nuts for a change of pace.
Let’s Look at Equipment

You can make good-quality products without all of the equipment listed below, but the correct equipment and utensils always make the job easier. You will want to check the equipment in your kitchen to see what you have available to bake the products in this project. Learn to properly and safely use the correct piece of equipment or utensil for each job.

**Standard Measuring Cups**

Use a glass or clear plastic measuring cup for liquids. Place the measuring cup on a flat surface, then pour in the liquid until you reach the desired measurement. Always read the measurement at eye level. Dry-ingredient measuring cups hold an exact amount and have straight rims so you can level off the ingredients with a straight-edged knife or narrow metal spatula. They usually are made of metal or plastic. A set usually has 1/4 cup, 1/3 cup, 1/2 cup and 1 cup measures.

**Measuring Spoons**

A set of standard-sized measuring spoons is used to measure small amounts of dry or liquid ingredients. The most common sizes are 1/4 teaspoon, 1/2 teaspoon, 1 teaspoon and 1 tablespoon. Always level dry ingredients with a straight-edged knife or narrow metal spatula. When measuring a liquid, fill the spoon to the top, holding it over a separate bowl in case spilling occurs. Measuring spoons can be made of metal or plastic.

**Mixing Bowls**

You will need bowls of different sizes to complete the recipes. A set of three nesting mixing bowls will suit most needs.

**Spatulas**

Always level ingredients with the straight edge of a narrow metal spatula or knife. A larger metal spatula is helpful in taking baked products out of the pan or when transferring cookies from one surface to another. A rubber spatula is used for scraping ingredients from the side of mixing bowls or measuring cups.
**Cookie Sheets**

Use heavy-gauge, shiny aluminum cookie sheets with very low sides or no sides at all. Dark baking sheets absorb heat and may cause cookie bottoms to overbrown. Insulated baking sheets tend to heat up slowly so cookies may become pale in color and coarse textured. However, using insulated baking sheets may lessen the chance of overbrowning the bottom of cookies.

**Baking Pans**

When baking, pay attention to the size of pan the recipe recommends. The thickness of the dough in the pan affects the texture of the finished product. A pan that is too small will result in a cakelike texture and may overflow; too large a pan will allow the dough to spread too thin, resulting in a dry, brittle texture. When using glass pans, reduce the temperature by 25 degrees.

**Grater**

Utensil used for grating citrus peel or zest, cheese, vegetables or other foods into small pieces.

**Wire Whisk**

Utensil used to beat ingredients, such as eggs, together until they are well-blended.

**Nut Chopper**

A device with blades that chops nuts into small pieces, trapping them in a glass container.

**Pastry Blender**

Utensil with a wooden or plastic handle and several dull blades that is used to cut in or work a solid fat into dry ingredients.
More Baking Terms

If you’re a bit puzzled by a word in a recipe, check this list of baking terms for an explanation. Here are a few of the more commonly used baking terms you learned about in Baking I, along with some new terms that you will be using in this project.

**Batter**
An uncooked mixture that is thin enough to pour, usually containing eggs, flour and liquid.

**Beat**
To mix ingredients vigorously, using a continuous circular motion.

**Blend**
To combine two or more ingredients thoroughly. Well-blended is used to describe ingredients that have been combined until no trace of any single ingredient is left.

**Chill**
To place food in the refrigerator until cold.

**Chop**
To cut ingredients, such as nuts, into pieces. Coarsely chopped means large pieces, finely chopped means small pieces.

**Combine**
To mix together two or more ingredients.

**Dough**
An uncooked mixture usually containing flour, liquid and seasonings that is soft enough to be worked with your hands, but is too stiff to pour.

**Grate**
To rub a food against a surface of small, sharp-edged rasps to make fine particles or pieces.

**Preheat**
To heat the oven to a certain temperature before putting food in to cook. Preheat an oven for at least 15 minutes.

**Set Aside**
To put food aside while you do something else in the recipe.

**Sprinkle**
To scatter one or more ingredients over a surface.

**Zest**
The brightly colored outer layer of the peel of a citrus fruit, mainly lemons and oranges. It is grated to add flavor to cookies, quick breads and other recipes.
Let’s Bake
Quick-loaf Breads

Unlike yeast breads, quick breads are made with quick-acting baking powder and baking soda and are mixed, shaped and baked all at once without waiting between steps. The biscuits, muffins and pancakes made in Baking I are all examples of quick breads. In Baking II, you will learn to make additional quick breads — cornbread, gingerbread and quick-loaf breads.

Golden Rules of Quick Bread Baking

As suggested by their name, quick breads are a breeze to make if you follow a few golden rules of quick bread baking.

• Measure ingredients accurately.
• Avoid mixing the batter too much. When adding the liquid, stir until the dry ingredients are just moistened; the batter will be lumpy. If overmixed, the bread will be tough.
• If your bread is soggy and the middle has fallen, it could mean one of several things:
  - Too much liquid in proportion to the dry ingredients
  - Insufficient leavening
  - Batter stood too long before baking, or it is underdone
• If your bread has a coarse texture, it means it probably has too much fat and leavening in it
• If your bread has a thick, dark brown crust, it probably has too much sugar in it
• If your bread has a bitter or soapy aftertaste, it probably has too much baking soda or baking powder added to the recipe
Nut Bread

Use this basic nut bread recipe to make two variations of nut bread featuring cranberries and blueberries.

**Ingredients**
- 3 cups sifted all-purpose flour
- 1 cup sugar
- 1 tablespoon baking powder
- ½ teaspoon salt
- ¾ teaspoon baking soda
- 1 egg, beaten
- 1 cup milk
- ¼ cup vegetable oil
- ¾ cup chopped pecans or walnuts

**Equipment**
- Large mixing bowl
- Medium mixing bowl
- Mixing spoon
- Measuring spoons
- Dry measuring cups
- Liquid measuring cup
- Cutting board
- Knife for chopping nuts
- Fork or wire whisk
- Loaf pan, 9 by 5 by 3 inches
- Potholders
- Cooling rack

**Procedure**
1. Preheat oven to 350 F.
2. Assemble all ingredients and equipment.
3. Grease and flour the bottom and 1/2 inch up the sides of a 9-by-5-by-3-inch loaf pan; set aside.
4. In a large mixing bowl, combine flour, sugar, baking powder, salt and baking soda. Make a well in the center of the dry mixture; set aside.
5. In a small mixing bowl, combine the egg, milk and oil. Add egg mixture all at once to the dry mixture. Stir just until moistened. The batter should be lumpy. Fold in chopped nuts.
6. Spoon batter into prepared pan, pushing well to corners.
7. Bake for 60 to 70 minutes or until a wooden toothpick inserted near the center comes out clean. Loaf should be golden brown and should shrink from the sides of the pan when done. Most loaf breads also will have a characteristic crack down the center of the loaf.
8. Cool on cooling rack in pan for 10 minutes. Remove from pan and cool completely on wire rack before slicing. (Note: If bread remains in pan longer than the 10-minute cooling time, it may become soggy or stick in the pan).

**Cranberry Nut Bread**
Prepare recipe above, except add 2 teaspoons finely shredded orange peel to the dry mixture. Fold 1 cup coarsely chopped cranberries into batter when you add the nuts.

**Blueberry Nut Bread**
Prepare recipe above, except add 1 teaspoon finely shredded lemon peel to dry mixture. Fold 1 cup fresh or frozen blueberries into batter along with nuts. If using canned blueberries, rinse and drain them before adding to batter.
Banana Nut Bread

This popular quick bread makes use of overripe bananas, turning them into a great treat. The riper the bananas, the sweeter and more flavorful the bread.

**Ingredients**
- 2 cups sifted all-purpose flour
- 1 ½ teaspoons baking powder
- ½ teaspoon baking soda
- ¼ teaspoon salt
- ¼ teaspoon ground cinnamon
- ¼ teaspoon ground nutmeg
- 2 eggs, beaten
- 1 ½ cups mashed ripe bananas (three to four)
- 1 cup sugar
- ½ cup vegetable oil
- ½ cup chopped pecans or walnuts

**Equipment**
- Large mixing bowl
- Medium mixing bowl
- Mixing spoon
- Measuring spoons
- Dry measuring cups
- Liquid measuring cup
- Cutting board
- Knife for chopping nuts or nut chopper/food processor
- Fork or wire whisk
- Loaf pan, 9 by 5 by 3 inches
- Potholders
- Cooling rack

**Procedure**

1. Preheat oven to 350°F.
2. Assemble all ingredients and equipment.
3. Grease and flour the bottom and 1/2 inch up sides of a 9-by-5-by-3-inch loaf pan; set aside.
4. In a large mixing bowl, combine flour, baking powder, baking soda, salt, cinnamon and nutmeg. Make a well in the center of the dry mixture; set aside.
5. In a small mixing bowl, combine eggs, banana, sugar and oil. Add egg mixture all at once to dry mixture. Stir just until moistened. The batter should be lumpy. Fold in chopped nuts.
6. Spoon batter into prepared pan. Bake for 55 to 65 minutes or until a wooden toothpick inserted near the center comes out clean. If necessary, loosely cover the top of the loaf with foil for the last 15 minutes of baking to prevent overbrowning.
7. Cool in pan on a wire cooling rack for 10 minutes. Remove loaf from pan. Cool completely on wire rack before slicing.

Store overripe bananas for another day’s baking by peeling, then freezing them in a sealable plastic freezer bag. Defrost for one to 1 ½ hours before mixing into bread batter.
Zucchini Bread

When added to a quick-bread batter, this vegetable takes on a whole new taste.

Ingredients

3 eggs  
1 cup vegetable oil  
2 cups sugar  
2 teaspoons vanilla  
2 cups grated zucchini, unpeeled  
3 cups sifted all-purpose flour  
1 teaspoon baking soda  
1 teaspoon salt  
3 teaspoons cinnamon  
½ teaspoon baking powder  
1 cup chopped pecans

Equipment

Wire whisk  
Large mixing bowl  
Dry measuring cups  
Liquid measuring cup  
Mixing spoon  
Grater  
Measuring spoons  
Small mixing bowl  
Cutting board  
Knife for chopping nuts or nut chopper or food processor  
Two loaf pans, (9 by 5 by 3 inches)  
Potholders  
Cooling rack

Procedure

1. Preheat oven to 350 F.
2. Assemble all ingredients and equipment.
3. Grease and flour the bottom and 1/2 inch up sides of two (9-by-5-by-3-inch) loaf pans; set aside.
4. Beat eggs in large mixing bowl with a wire whisk until frothy.
5. Add the vegetable oil, sugar and vanilla; mix the ingredients with a large spoon until well-blended.
6. Stir in the grated zucchini.
7. In a small mixing bowl, combine flour, baking soda, salt, cinnamon and baking powder.
8. Stir dry ingredients gently into the zucchini mixture until just blended. Fold in chopped pecans.
9. Spoon the batter evenly into the two prepared loaf pans. Bake for one hour or until toothpick inserted near the center comes out clean.
10. Cool in pans for 10 minutes on wire rack. Remove loaves from pans. Cool completely on wire rack before slicing.
Standards of Quality for Quick-loaf Breads

**Good quick-loaf breads have:**
- Well-proportioned shape of a quick-loaf bread
- Uniform color
- Even grain, no tunnels
- Pleasant flavor
- Evenly rounded top
- Tender, slightly rough crust
- Moist, tender crumb
- Characteristic crack down center

**Incorrect proportions or mixing or inaccurate measurements can cause bread to be:**
- Undersized
- Tunneled
- Coarse textured
- Crumbly
- Dry
- Compact, heavy

**Incorrect sized pans cause bread to be:**
- Peaked
- Soggy, compact
- Too light
- Too brown

**Incorrect time and temperature causes bread to be:**
- Too brown
- Too light
- Doughy
- Heavily crusted
- Hard, dry

**Incorrect handling after baking causes bread to be:**
- Soggy on bottom
- Steamed inside
### How to Judge Baked Products: Quick-loaf Breads

What qualities make a good quick-loaf bread? Here is a simple checklist so you can be your own judge. Don’t forget that judges will sample your baked products, so taste is as important as appearance. You may make copies of this score sheet to use each time you bake quick-loaf breads.

Product:

Date:

**Compare quick-loaf breads**

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<th>Needs Improvement</th>
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<tr>
<td><strong>Outside characteristics</strong></td>
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<td></td>
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<tr>
<td>Color: Golden-brown crust</td>
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<tr>
<td>Shape: Tender, slightly rough crust</td>
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</tr>
<tr>
<td>Evenly rounded top with crack down middle of top</td>
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<tr>
<td><strong>Inside characteristics</strong></td>
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<td></td>
</tr>
<tr>
<td>Moist, tender crumb; neither soggy nor too dry</td>
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<td></td>
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<tr>
<td><strong>Texture</strong></td>
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<tr>
<td>Evenly grained, somewhat coarser than cake, but free from tunnels</td>
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<tr>
<td><strong>Flavor</strong></td>
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<tr>
<td>Well-blended, characteristic of ingredients</td>
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<tr>
<td>No off flavor from fat, flour, leavening, nuts</td>
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<tr>
<td><strong>Weight</strong></td>
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Let’s Bake Coffeecake

Quick Coffeecake

Nothing can compare with a piece of warm, fresh-baked coffeecake for breakfast or as a snack.

**Ingredients**

- 1¼ cups all-purpose flour
- ¾ cup brown sugar
- ¼ teaspoon salt
- ½ cup butter or shortening
- 1 teaspoon baking powder
- ½ teaspoon baking soda
- ¼ teaspoon cinnamon
- ¼ teaspoon nutmeg
- 1 egg, beaten
- ½ cup + 2 tablespoons buttermilk
- ½ cup chopped pecans or walnuts

**Equipment**

- Large mixing bowl
- Two small mixing bowls
- Pastry blender or two forks
- Dry measuring cups
- Liquid measuring cup
- Measuring spoons
- Rubber spatula
- 8-inch-square baking pan
- Knife and cutting board or nut chopper/food processor
- Potholders
- Cooling rack

**Procedure**

1. Preheat oven to 350°F.
2. Assemble all ingredients and equipment.
3. Grease the bottom and 1/2 inch up sides of an 8-inch-square baking pan; set aside.
4. In a large mixing bowl, combine flour, brown sugar and salt. Cut in butter or shortening with a pastry blender or two forks until the mixture resembles coarse crumbs; set aside 1/3 cup crumb mixture.
5. In a small mixing bowl, combine baking powder, baking soda, cinnamon and nutmeg; mix into remaining dry mixture in large mixing bowl.
6. In another small mixing bowl, combine egg and buttermilk. Add egg mixture all at once to dry mixture; mix well.
7. Spoon batter into prepared pan.
8. Stir together reserved crumb mixture and nuts. Sprinkle over batter.
9. Bake for 25 minutes or until a wooden toothpick inserted in center comes out clean. Remove from the oven and place pan on a cooling rack. Best when served warm. Store in a tightly covered container at room temperature.

**Tip:** If you don’t have buttermilk, make sour milk instead. (See page 13 for recipe.)

**Tip:** To reheat coffeecake, wrap in heavy foil and heat in a 350-degree oven for about 15 minutes or wrap in plastic wrap and microwave for 25 to 30 seconds.
Fruit-filled Coffeecake

**Ingredients**
- 2¼ cups all-purpose flour
- ¾ cup granulated sugar
- ¾ cup butter or margarine
- ½ teaspoon baking powder
- ½ teaspoon baking soda
- ¼ teaspoon ground nutmeg
- ⅛ teaspoon salt
- 1 egg, beaten
- ½ cup buttermilk or sour milk
- 1 teaspoon vanilla
- 1¼ cups canned fruit pie filling
  (cherry, peach, blueberry, apricot)
- 1 recipe **Vanilla Icing** (See recipe below)

**Equipment**
- Mixing bowl
- Dry measuring cups
- Measuring spoons
- Liquid measuring cup
- Pastry blender or two forks
- Egg beater or fork
- Mixing spoon
- Rubber spatula
- 9-inch-square baking pan
- Potholders
- Cooling rack

**Procedure**
1. Preheat oven to 350 F.
2. Assemble all ingredients and equipment.
3. Grease and flour a 9-inch-square baking pan; set aside.
4. In a large mixing bowl, combine flour and granulated sugar. Use a pastry blender to cut butter or margarine into the flour/sugar mixture until it forms coarse crumbles. Set aside 1/2 cup of mixture for topping.
5. Stir baking powder, baking soda, nutmeg and salt into the crumb mixture remaining in the large mixing/bowl. Make a well in the center.
6. In a small bowl, combine egg, buttermilk and vanilla. Add egg mixture all at once to flour mixture, stirring until just moistened. (Batter should be lumpy). Set aside 1 cup batter.
7. Spread remaining batter in bottom and 1 inch up sides of prepared baking pan. Carefully spread desired pie filling on top of batter. Spoon reserved batter in small mounds on top of filling. Sprinkle with reserved topping.
8. Bake for 40 minutes or until a wooden toothpick inserted in the center comes out clean. (If necessary, cover edges with aluminum foil after 30 minutes to prevent overbrowning).
9. While coffee cake is baking, make the vanilla icing using the recipe below.

**Vanilla Icing:** Stir together 1/2 cup sifted powdered sugar, 1/2 teaspoon vanilla and enough milk (1 to 2 teaspoons) to make an icing of drizzling consistency.

**Tip:** If you don't have buttermilk, make sour milk instead. (See page 13 for recipe.)
Standards of Quality for Coffeecakes

Good coffeecakes have:
• Golden brown crusts
• Even grain, texture somewhat coarser than cake, but free from holes or tunnels
• Moistness; free from doughiness or dryness
• Light weight; tender
• Pleasing flavor
How to Judge Baked Products: Coffeecakes

What qualities make a good coffeecake? Here is a simple checklist so you can be your own judge. Don’t forget that judges will sample your baked products, so taste is as important as appearance. You may make copies of this score sheet to use each time you bake a coffeecake.

Product:

Date:

**Compare coffee cakes**

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<th>Needs Improvement</th>
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<tr>
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</tr>
<tr>
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<td>Tender crust</td>
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<tr>
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<td><strong>Comments</strong></td>
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Let’s Bake Cookies and Bars

Cookies
In Baking I, you learned to make drop and rolled cookies. Here are some favorite recipes for brownies, slice-and-bake refrigerator cookies and shaped cookies that you may enjoy baking and serving to your family.

The word “cookie” comes from the Dutch word for cake, “koekje.” And that is just what the first cookies actually were, small portions of cake batter used to test the oven temperature before the cake itself went in to bake. Today, the variety of cookies is almost endless because the possibilities are so great.

The favorite kinds of cookies we all enjoy so much today came to America from all parts of the world:

- **England:** Little currant cookies, scones and shortbread
- **Scandinavia:** Rich, buttery cookies such as spritz wreaths, almond crescents and butter cookies
- **Austria:** Chocolate cookies, split and filled with jam
- **France:** Elegant chocolate peaks and petit fours

From this rich heritage, Americans have developed their own “special” cookies:
- Brownies
- Refrigerator cookies
- Chocolate chip cookies
- Nut drop cookies

Kinds of Cookie Dough
Soft dough, from which you make:
- Bar cookies
- Drop cookies

Stiff dough, from which you make:
- Refrigerator cookies
- Pressed cookies
- Rolled cookies
- Molded cookies
- Filled cookies
- Shaped cookies

All cookies have almost the same basic ingredients, but the amount of ingredients you use, the method of mixing and additional ingredients result in the different types.
Brownies

Brownies are made with a thick batter that results in either a cake or fudgelike brownie, depending on the ingredients you use. This recipe makes a chewy, moist, cakelike brownie that you will want to make time and again.

**Ingredients**

- ½ cup butter or margarine
- 2 squares unsweetened chocolate, broken into pieces
- 1 cup sugar
- 2 eggs, beaten
- 1 teaspoon vanilla
- ¾ cup + 1 tablespoon sifted all-purpose flour
- ½ teaspoon baking powder
- ½ teaspoon salt

**Equipment**

- Dry measuring cups
- Measuring spoons
- Large saucepan
- Wooden mixing spoon
- Small mixing bowl
- Fork or wire whisk
- 8-inch-square baking pan
- Potholders/hot pad
- Cooling rack

**Procedure**

1. Preheat oven to 350 F.
2. Assemble all ingredients and equipment.
3. Grease an 8-inch-square baking pan on bottom and ½ inch up sides; set aside.
4. In a large saucepan, melt butter or margarine and chocolate over low heat. Remove pan from heat and place on a hot pad.
5. Using a wooden spoon, lightly beat sugar into the chocolate mixture. Add eggs and vanilla, beating until just combined.
6. In small bowl, combine flour, baking powder and salt. Add to chocolate mixture, stirring until just combined. Spread batter in prepared pan.
7. Bake for 25 to 30 minutes. Cool in pan on wire rack. Cut into bars with a sharp knife and remove from pan. Store in tightly covered container to prevent drying.

**Brownie Variations:**

- Add 1 cup coconut, chocolate chips or chopped nuts to the batter before baking.
- Brownies also may be frosted with your favorite butter icing or simply sprinkle brownies with powdered sugar.
- For a special touch, place chocolate peppermint candies on top of brownies as soon as they come out of the oven. Return the pan to the oven for a few minutes to melt the chocolate. Spread evenly over the brownies.
Chocolate Chip Applesauce Brownies

**Ingredients**

- 1½ c. sugar
- ½ c. Crisco or butter
- ½ tsp. cinnamon
- 2 Tbsp. cocoa
- 2 c. applesauce
- 2 eggs
- 2 c. flour
- 1½ tsp. soda
- ½ tsp. salt
- ½ c. nuts, chopped
- ½ c. chocolate chips, chopped

**Procedure**

1. Preheat oven to 350 F.
2. Beat the sugar and butter together.
3. Add the eggs and then applesauce. Add the dry ingredients and beat.
4. Grease or coat a 10-by-16-inch jelly roll pan with nonstick cooking spray. Pour batter into pan.
5. Sprinkle 1 Tbsp. sugar, 1/2 c. nuts and chocolate chips over the top.
6. Bake 25 to 30 minutes.

Makes 24 servings
Per serving: 124 calories, 21g carbohydrate, 4g fat, <1g fiber and 160mg sodium

Cranberry Granola Bars

**Ingredients**

- ½ c. honey
- 2 Tbsp. + 2 tsp. brown sugar
- 1 Tbsp. + 1 tsp. oil
- 1½ c. oats
- 1¼ c. toasted rice cereal
- 1¼ c. dried cranberries

**Directions**

1. Combine honey, brown sugar and oil in a small saucepan. Heat over low heat until well mixed.
2. Mix oats, rice cereal and cranberries. Add honey mixture and stir until thoroughly combined.
3. Pat firmly into an 8-by-8-inch baking pan.
4. Bake in 350-degree oven for 15 minutes; press mixture firmly once more into the bottom of the pan. Bake five more minutes.
5. Cool completely. Refrigerate at least one hour for easier cutting.

Makes 16 servings
Per serving: 128 calories, 27g carbohydrate, 1g fat, 2g fiber and 20mg sodium
Butterscotch Bars

These bars have a wonderful butterscotch flavor and a chewy texture.

**Ingredients**
- 1 cup (6 ounces) butterscotch chips
- ¼ cup butter or margarine
- 1 cup brown sugar
- 2 eggs, beaten
- ½ teaspoon vanilla
- 1 cup all-purpose flour
- 1 teaspoon baking powder
- ½ teaspoon salt

**Equipment**
- Large saucepan
- Dry measuring cups
- Measuring spoons
- Mixing spoon
- Small mixing bowl
- 8-inch-square baking pan
- Potholders
- Cooling rack

**Procedure**
1. Preheat oven to 350 F.
2. Assemble all ingredients and equipment.
3. Melt butterscotch chips and butter or margarine in large saucepan on low heat, stirring occasionally.
4. Remove from heat and stir in the brown sugar. Let cool for five minutes, then blend in the eggs and vanilla.
5. Thoroughly combine the flour, baking powder and salt in a small bowl. Add to brown sugar mixture and mix until thoroughly blended.
6. Spread into a greased and floured 8-inch-square baking pan.
7. Bake for 30 to 35 minutes or until golden brown. Remove pan from oven and place on a wire rack to cool. Cut into squares. Store in a tightly covered container.

**Exhibitors Tip:** Choose bars from the middle of the pan or cut outer edges from bars for a more uniform exhibit.

**Tip:** Removing bars from the pan is easier if you remove the corner piece first.

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Bar cookies, including brownies, are called bars because they usually are served in the shape of a bar of gold, a square or a rectangle. For a fun change, cut bars into triangles or diamonds.
Jam Thumbprint Cookies  
Makes approximately 42 cookies.

These shaped cookies are great for a special occasion or an anytime treat.

**Ingredients**
- 3/4 cup butter or margarine, softened
- 1/2 cup granulated sugar
- 2 egg yolks
- 1 teaspoon vanilla
- 1 1/2 cups all-purpose flour
- 2 slightly beaten egg whites
- 1 cup finely chopped walnuts
- 1/2 to 1/3 cup jam or preserves

**Equipment**
- Large mixing bowl
- Electric mixer
- Dry measuring cups
- Two small mixing bowls
- Measuring spoons
- Cutting board
- Knife for cutting nuts
- Metal spoon
- Rubber spatula
- Cookie sheet
- Potholders
- Cooling rack

**Procedure**
1. Assemble all ingredients and equipment.
2. In a large mixing bowl, beat butter with an electric mixer on medium to high speed for 30 seconds.
3. Add the sugar and beat until combined. Stop the electric mixer as needed to scrape the sides of the bowl with a rubber spatula.
4. Beat in egg yolks(*) and vanilla until combined. (Be sure to reserve egg whites in a small bowl. Cover and refrigerate. Use within two days.)
5. Beat in half of flour, then add second half of flour, mixing well.
6. Cover and chill dough at least one hour.
7. Preheat oven to 375 F.
9. Shape dough into 1-inch balls. Roll balls in slightly beaten egg whites, then roll in walnuts.
10. Place balls 1 inch apart on the prepared cookie sheet. Press your thumb deep into the center of each ball. If the indentation needs to be reshaped after baking, do so while cookies are still warm. (The handle of a wooden spoon also works well as a “thumb” to make the indentation in the cookies.)
11. Bake for 10 to 12 minutes or until edges are lightly browned. Transfer to a wire cooling rack; cool completely. Before serving, fill centers with your favorite jam or preserve.

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*To separate an egg, gently but firmly crack the middle of the egg shell on the edge of a bowl. Use an egg separator or carefully pass the egg yolk back and forth from shell to shell, allowing the egg white to separate from the egg yolk into a bowl. Place the yolk into another small bowl.*
Peanut Butter Blossom Cookies

Makes approximately 45 cookies.

These are kid-pleasing peanut butter cookies with the addition of a milk chocolate star or kiss placed in the center.

**Ingredients**
- ½ cup shortening
- ½ cup peanut butter
- ½ cup granulated sugar
- ½ cup brown sugar
- 1 egg
- 2 tablespoons milk
- 1 teaspoon vanilla
- 1 ¾ cups all-purpose flour
- 1 teaspoon baking powder
- ½ teaspoon baking soda
- Chocolate stars or kisses (approximately 45)
- ¼ cup granulated sugar

**Equipment**
- Large mixing bowl
- Electric mixer
- Rubber spatula
- Two small mixing bowls
- Dry measuring cups
- Measuring spoons
- Mixing spoon
- Cookie sheet
- Cooling rack
- Potholders

**Procedure**

1. Preheat oven to 350 F.
2. Assemble all ingredients and equipment.
3. In a large mixing bowl, beat the shortening and peanut butter with an electric mixer on medium speed for 30 seconds.
4. Add the 1/2 cup granulated sugar and brown sugar, mixing until combined.
5. Beat in egg, milk and vanilla until well-mixed.
6. In a small mixing bowl, combine flour, baking powder and baking soda. Add dry ingredients to creamed mixture, mixing until thoroughly blended.
7. Shape dough into 1-inch balls. Roll balls in the 1/4 cup granulated sugar. Place balls 2 inches apart on an ungreased cookie sheet.
8. Bake for 10 to 12 minutes or until edges are firm and bottoms are lightly browned. Remove from oven and immediately press a chocolate star or kiss into the center of each cookie. Cool cookies on cookie sheet for a few minutes, then transfer to a wire cooling rack to continue cooling. Chocolate will firm as the cookies cool, but will remain soft.

**Variation:** Place a whole pecan or walnut in the center of the cookies in place of the chocolate star or kiss.
Brown Sugar Nut Rounds  
Makes approximately 50 cookies.

Once called icebox cookies, today’s slice-and-bake refrigerator cookies are as convenient as ever to make. To create a fancier cookie, perhaps for the holidays, dip each baked, cooled cookie halfway in melted chocolate and sprinkle with chopped, toasted nuts.

Ingredients  
- ½ cup shortening
- ½ cup butter or margarine, softened
- 1¼ cups packed brown sugar
- 1 egg
- 1 teaspoon vanilla
- 2½ cups sifted all-purpose flour
- ½ teaspoon baking soda
- ¼ teaspoon salt
- ¾ cup finely chopped or ground pecans

Equipment  
- Large mixing bowl
- Electric mixer
- Dry measuring cups
- Measuring spoons
- Small mixing bowl
- Waxed paper
- Knife
- Cookie sheet
- Cooling rack
- Potholders

Procedure  
1. Assemble all ingredients and equipment.

2. In a large mixing bowl, beat shortening and butter with an electric mixer on medium to high speed for 30 seconds.

3. Add the brown sugar, beating until combined. Beat in the egg and vanilla.

4. In a small mixing bowl, combine the flour, baking soda and salt. Beat half of the flour mixture into the other mixture, then add second half of flour, mixing well.

5. Add pecans; thoroughly combine throughout dough with mixer or wooden spoon.

6. On waxed paper, shape dough into two 8-inch rolls or logs, making sure they are nicely rounded. Wrap each roll in waxed paper or plastic wrap. Chill in refrigerator for at least two hours or until firm enough to slice.

7. Preheat oven to 375 F.

8. Using a thin-bladed knife, cut dough into ¼-inch thick slices. Place slices 1 inch apart on ungreased cookie sheets.

9. Bake for 10 minutes or until edges are firm. Cool cookies for a few minutes on the cookie sheet, then transfer to a wire cooling rack and continue to cool.

Tips:
- To make cookies nice and round, keep the dough in “shape” when chilling by sliding the roll into a tall drinking glass. While slicing, rotate the roll often to avoid flattening one side.
- Take only one roll of dough from the refrigerator at a time to slice. Keep the other roll chilled until ready to use.
Standards of Quality for Cookies
Prepared and baked with care, all types of cookies easily can meet high standards.

**Good cookies have:**
- Uniform shape (typical of kind)
- Uniform color
- Texture true to type (soft or crisp)
- Tender crumb (though a few varieties are crisp)
- Good flavor

**Incorrect proportions or inaccurate measurements can cause cookies to be:**
- Streaked with flour
- Tough
- Too rich
- Dry
- Crumbly
- Too soft

**Poor baking techniques can cause cookies to be:**
- Uneven
- Poorly browned
- Doughy
- Too pale
- Too hard
- Too soft
- Run together
- Too dry
- Too brown

**Poor mixing techniques can cause cookies to be:**
- Streaked with flour
- Hard
- Dry
- Crumbly
How to Judge Baked Products: Cookies and Bars

The product will vary with the type and shape of cookie.

Product:
Date:

Compare three cookies or bars

<table>
<thead>
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<th></th>
<th>Excellent</th>
<th>Good</th>
<th>Needs Improvement</th>
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<tr>
<td>Symmetrical shape and size</td>
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<td>Uniform shape and size across samples</td>
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<tr>
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<tr>
<td>Crisp, chewy, or soft according to kind</td>
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<td>Even cells or holes</td>
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<td>No off flavor from fat, oil, leavening, nuts, etc.</td>
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Let’s Bake Gingerbread

Gingerbread is good served hot or cold, plain or fancy. Why not try a dollop of whipped cream sprinkled with a touch of ground cinnamon on top?

**Ingredients**
- ½ cup shortening
- ½ cup granulated sugar
- 2 eggs
- ½ cup molasses
- 1½ cups all-purpose flour
- 1 teaspoon baking soda
- 1 teaspoon ground cinnamon
- 1 teaspoon ground allspice
- 1 teaspoon ground ginger
- 1 cup hot water

**Equipment**
- Electric mixer
- Large mixing bowl
- Small mixing bowl
- Dry measuring cups
- Liquid measuring cup
- Measuring spoons
- Mixing spoon
- Rubber spatula
- 8-inch-square baking pan
- Potholders
- Cooling rack

**Procedure**
1. Preheat oven to 350 F.
2. Assemble all ingredients and equipment.
3. Grease and flour an 8-inch-square baking pan; set aside.
4. In large mixing bowl, beat shortening at medium speed with an electric mixer until light and fluffy.
5. Gradually add sugar, beating well. Add eggs and molasses, mixing well.
6. Combine flour, baking soda, cinnamon, allspice and ginger in a small mixing bowl. Add to shortening mixture alternately with hot water, beginning and ending with flour mixture. Mix after each addition.
7. Pour batter into prepared baking pan. Bake for 30 minutes or until a wooden toothpick inserted in center of gingerbread comes out clean.

**Safety Tips:** Make sure the electric mixer is unplugged whenever you put in or take out the beaters. Turn the mixer off before scraping the sides of the bowl. Ask an adult to help measure the hot water.
Let’s Bake Cornbread

You and your family will enjoy warm squares of this tender, slightly sweet cornbread.

**Ingredients**
- 1 cup sifted all-purpose flour
- 1 cup yellow cornmeal
- ¼ cup granulated sugar
- 4 teaspoons baking powder
- ½ teaspoon salt
- ¼ cup butter or margarine, melted
- 2 eggs, beaten
- 1 cup milk

**Equipment**
- Large mixing bowl
- Small mixing bowl
- Dry measuring cups
- Liquid measuring cup
- Measuring spoons
- Fork or wire whisk
- Mixing spoon
- Rubber spatula
- 9-by-9-by-2-inch square baking pan
- Potholders
- Cooling rack

**Procedure**
1. Preheat oven to 400°F.
2. Assemble all ingredients and equipment.
4. In large mixing bowl, stir together flour, cornmeal, sugar, baking powder and salt; set aside.
5. In a small mixing bowl, combine eggs; milk; and cooled, melted butter or margarine. Add egg mixture all at once to dry mixture. Stir just until moistened.
6. Pour batter into baking pan.
7. Bake for 18 to 20 minutes or until lightly browned.
   - Place on wire cooling rack. Cut into squares. Serve warm.

You may use a 10-inch cast iron skillet or a 9-inch round baking pan in place of a square pan. Just remember to exhibit a 3-by-3-inch square of cornbread for your fair or achievement day.
Other Activities

Demonstration
Give a demonstration teaching others what you have learned from this project. You may show how to make one of the baked products in this book or demonstrate a technique you have learned.

Citizenship
Gifts of delicious homemade baked goods are welcome gifts. When you wrap a gift of food, think of these things:
• Plan a wrapping to keep the baked goods fresh and clean.
• Include a simple note.
• Call ahead of time to arrange a convenient time to deliver your gift. Ask a member of your family to go with you.

Leadership
• Help your baking leader prepare for the project meeting.
• Lead the other members in cleaning the kitchen or preparing a recipe.
• Help call members about meetings and activities.
• Help start a food drive that your club, school or church sponsors.
• Help coordinate a club concession or bake sale.

Career Exploration
Tour a bakery, restaurant or food manufacturing facility. Learn how it bakes, packages and markets large amounts of food. Learn what bakers do on the job. Ask about other jobs related to their business.

Recordkeeping:
Keep a record of all your 4-H activities. Use the record form in this project book.
Baking 2 Word Search

Baking  Brownies  Chocolate  Cinnamon
Coffeecake  Cookie  Cornbread  Exhibit
Flour  Gingerbread  Grater  Ingredients
Measuring  Milk  Mixing  Oven
Recipe  Shortening  Vanilla  Zucchini
Baking 2 Crossword

Across
1. A type of shaped cookie
4. “Fast” bread
5. Spice used in baked products
8. Type of fruited nut bread
10. Used for handling hot pans
13. A dark brown syrup
14. Sweetens baked goods
15. To refrigerate

Down
2. Helps baked products rise
3. Type of flavoring
6. Can be chopped
7. Kind of fat
9. Common type of flour
11. Equal to two or three drops
12. Cracked before using
Baking 2 Crossword (Answer Key)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

THUMBPRINT  QUICK CINNAMON BANANA NUT POTHOLDERS MOLASSES SUGAR CHILL
# Baking Record Form

Name _________________________________  Age _______  Number of years in 4-H _______

Years in baking projects _______________________

Project meetings held _________  Number attended ____________

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<th>Products prepared</th>
<th>Date</th>
<th>Comments (Excellent, Good, Fair)</th>
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(Add pages if needed.)

What new skills did you learn? Which skills were improved?

_________________________________________________________________________________

_________________________________________________________________________________

_________________________________________________________________________________

_________________________________________________________________________________

_________________________________________________________________________________

**Activities**

Tours taken related to this project: ____________________________________________________

_________________________________________________________________________________

Judging experience(s): ______________________________________________________________

_________________________________________________________________________________

Demonstration: ________________________________________________________________________
Citizenship: ______________________________________________________________________
_________________________________________________________________________________

Leadership: ______________________________________________________________________
_________________________________________________________________________________

**Exhibits**

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Leader, helper, or parents’ comments: ________________________________________________
_________________________________________________________________________________
_________________________________________________________________________________

Member signature ___________________________ Parent signature ________________________

Project leader signature __________________________

(Add pages as needed.)