

Objective

By the end of this lesson, you will be able to bake a delicious cake from scratch while learning about the English, History, Math, and Science concepts involved in the process.

Materials and Prep

- Ingredients for the cake (flour, sugar, eggs, butter, baking powder, milk, vanilla extract)
- Baking utensils (mixing bowls, measuring cups, spoons, whisk, cake pan)
- Access to an oven
- Basic understanding of measurements and fractions

Activities

- **English:** Write down the recipe in your own words, including the ingredients and steps.

Practice your writing skills by creating a step-by-step guide for baking the cake.

- **History:** Research the history of cakes and how they have evolved over time.

Learn about the origins of cake-making and how different cultures have contributed to the variety of cakes we enjoy today.

- **Math:** Measure and mix the ingredients according to the recipe.

Apply your math skills by measuring and mixing the ingredients in the correct proportions.

- **Science:** Observe how the ingredients react and transform during the baking process.

Explore the science behind baking as you observe how the cake batter rises and changes texture in the oven.

Talking Points

- **English:** "Let's write down the recipe together. Can you describe what we need to make the cake?"
- **History:** "Did you know that cakes have been enjoyed for centuries? Let's find out more about their history."
- **Math:** "Why is it important to measure the ingredients accurately when baking a cake?"
- **Science:** "What do you think makes the cake rise in the oven? Let's observe the changes together."