

GED 2002 Teachers' Handbook of Lesson Plans

Area/Skill - Interdisciplinary	Cognitive Skill Level - Application/Evaluation	Correlation to Framework - 01.05/03.07/04.05/05.01	Lesson #5
<p>Activity Title - Let's Bake a Cake for the Baker</p> <p>Goal/Objective</p> <p>To provide a real-life experience integrating mathematics, science, reading, and writing skills.</p> <p>Lesson Outline Introduction</p> <p>Students need to see how all subject areas relate to real-life situations. This lesson introduces them to the concept of using diverse skills to create a product.</p> <p>Activity</p> <p>Have students form groups. Each group is given a cake mix, the necessary utensils, a recipe, paper, and pencils. Have students from one group observe another group making a cake. Have the observation groups observe the entire process. The observation groups should record information from their observations, as well as through interviews with the bakers and those who sample the finished product. Have the observation groups write a critique of the process from their notes. Students may wish to exchange roles in making a different baked product.</p> <p>Debriefing/Evaluation Activity</p> <p>Debrief the activity by having the students brainstorm the different skills that were used to both bake the cake and write the critique. Students should identify such skills as math (measurement), reading (recipes and the critique), writing (development of the notes and the critique), science (process of ingredients interacting, use of electrical appliances, and process of baking), and the organizational skills needed to follow a recipe and write a logical critique.</p>			<p>Materials/Texts/Realia/Handouts</p> <ul style="list-style-type: none"> • Kitchen • Cake mixes and ingredients • Recipes • Plates, silverware, and baking utensils needed • Paper and pencils
<p>Real-Life Connection</p> <p>The workplace requires that employees use multiple skills at one time. Have speakers come to the class to discuss the types of skills that their positions require.</p>			<p>Extension Activity</p> <p>Have students explore the origins of cake making or cake decorating. Have the students share their information either orally or through a short written report.</p> <p>ESE/ESOL Accommodations</p> <p>Have students work in small groups.</p> <p>Identify the different types of measuring utensils before students begin the baking process.</p> <p>Rewrite the recipe to include pictures of the different ingredients and measuring tools.</p>

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Activity Title - Let's Bake a Cake for the Baker

Introduction

Ask: Did you know that when you bake a cake you use science, math, writing, and reading? Let's see how!

Main Activity

Say: Today, we will form teams and in your team you will elect a leader. One team will observe and the other team will bake a cake.

The team that is baking a cake will need to decide the following:

1. Will your team bake a double batch of cake mix or bake a cake from scratch?
2. Where will you prepare the cake?
3. What kind of cake will you made?
4. What shape or size will the cake be and what types of decorations will you use?

The team that is observing will need to take notes on the following:

1. How was the cake prepared and baked?
2. What different skills were used to prepare the cake?
3. How did the cake taste?
4. What were the reactions of the bakers and the tasters to the cake?

While the students are making the cake, encourage them to identify the different types of skills that they are using.

If time remains, have the groups change "sides" or have the "observation" group create a different project, while the "baking" group observes.

Debriefing/Evaluation Activity

Have the observation group write a short critique of the process and share the information with the class. Identify the different skills that were used to bake a cake and observe the process. Write the list on the board.

Follow-up Lessons/Activities

Bring in speakers from different career fields to discuss the types of skills required in their jobs and how skills often cross many different content areas.