

SHOPPING FOR VIRTUAL TIPS: USING BINGO AS ONLINE HORTICULTURE PRODUCE IDENTIFICATION TEACHING STRATEGY

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Introduction

- The Career Development Events (CDE) support secondary student development through hands-on applications, which presents unique challenges in online or hybrid learning environments.
- The horticulture produce CDE assesses a student's ability to understand and identify standards of quality in produce and introduces students to the "economic importance of the horticulture industry" (New Mexico FFA Association, 2018, p. 1).

How It Works

- The horticulture produce Bingo challenged students to identify common household produce items in an advanced agricultural education course.
- Bingo card included pictures of unlabeled produce.
- Students used deductive reasoning skills to identify the produce based on characteristics they observed.

1. Share screen with Bingo card.
2. Link produce photos in the Zoom chat room.
3. Place students in a breakout room with 10–15 minutes to accurately identify and locate as many produce items listed on the Bingo card as possible.

Results to Date

- Students suggested providing access to the Bingo card via the classroom's learning management system, such as Canvas, Blackboard, or Google Classroom, rather than only sharing the Bingo card on the screen.
- Listing the names of the produce rather images on the card would have been helpful for an introduction to horticulture produce lesson.

Advice to Others

- Consider the time limit.
 - Because our pilot was designed for an introduction lesson, we extended the time to 10–15 minutes; however, adjust the time to match students' experience levels and engagement.
- To use the activity more than once, modify the Bingo card to include the names of the produce rather than only photos or use different horticulture produce photos to vary the task(s) for students to complete.

Resources Needed

- Access to Zoom or an online video conferencing platform, such as Microsoft Teams, Skype, or Google Meet.
- Access to a learning management system, such as Canvas or Blackboard.
- Because this activity assessed produce students already had in their refrigerators or pantries, there should be no additional cost for produce.

