

Pizz-A-Thon (Sample) Lesson Template
EXPERIENTIAL LEARNING

Grade Level:	Activity Type:	Estimated time:	Estimated prep time:
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DRIVING QUESTION: How do you use.... ?

ACTIVITY TITLE: Discovering

1-2 SENTENCE SUMMARY: Students will _____ (learning by doing)

LEARNING GOALS: By the end of this lesson, students will be able to:

STANDARDS

NGSS Standard(s) Addressed:	Standard(s) Addressed: Optional
Science and Engineering Practices: Required for every activity/lab	21st Century Skills Standard(s) Addressed: Required for every activity/lab
English Language Arts/Literacy Standard(s) Addressed: Optional	Social Studies Standard(s) Addressed: Optional

Activity Title _____

Lesson Plan

LESSON OBJECTIVES

By the end of this lesson, students will be able to (SWBAT):

- Through research and team planning, students will be able to
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- Work cooperatively with others to develop and explain a model or project for

MATERIALS

PREPARATION

LESSON

Engage

1. Ask students to
2. Have students work in groups
3. Give students the worksheet and have them read the introduction
4. On Student Project Page, have students design and write down steps and conclusions.

Explore

5. Have students research... one to serve as recorder.
6. Students discuss alternatives and arrive at consensus.

Explain

7. Have students illustrate in writing or drawing
8. Students present team answers.

Elaborate

9. Ask students why, if they have a model, or project, what were individual different preferences?

Evaluate

10. Have students discuss pros and cons of alternative ideas to their decisions.
11. Ask students how they would design their next project to learn more.

EXTENSIONS

Have students take home a sheet to challenge their models. Encourage students to design experiments at home for exploring, may also turn to you tube or Google for answers, as well.

An excellent extension could be arranged, if the school has a high school agriculture teacher with an FFA program. This would be a good opportunity for an FFA student who showed an interest in pursuing an education degree to assist you with this lesson through their FFA Supervised Agriculture Experience (SAE) program. This would provide you some assistance in supervising experiments and would be an excellent experience for the student.

SAFETY

List the safety considerations for this activity.

STUDENT PROJECT PAGE

Name: _____

Introduction

As you prepare your assignment, use your worksheet to write down what you plan to do.

Step-by-step instructions

Engage

1. Research and set team project goals.
2. Analyzing research - what to individuals like best and least?
3. Share your answers with your teammates, (Be respectful of everyone's preferences).

As a team, using the materials provided to you, design and carryout

Research Work Sheet

Explore

Look at the research and discuss alternative designs:

1. **How do you test to see what preferences would be best?**
Write down the materials you would use and how you would use them.
2. **Show your project plans to the teacher before the next step.**
3. **Cooperatively as a team, develop and explain your project.**
4. **In the frame below, draw a model and or describe the team project.... Each member will present a part of this model. Make team assignments as to who will present various parts.**

Team Name _____ Model Title _____