

## Activity #1

# “You Be The Designer” Challenge

## The Challenge

Your team has been tasked to create a new way to package one cup of popcorn for students to be able to easily carry around during the school day. Engineers consulted with market researchers to find out the needs and wants of student consumers before developing this new packaging. Survey results indicated that students are interested in food packaging that can be reusable, lightweight, and compact. Market researchers observed how students typically carry food items over a few months. They noticed that most students carry food items loosely in their backpacks or small bags among additional school items such as books, pencils, laptops, tablets, and clothing.

## The Criteria

- Weight: Your popcorn package should be lightweight.
- Compact: Your popcorn package should be able to fit in a backpack or small bag with other school items.
- Reusable: Your popcorn package should be able to be used for another purpose after the food has been consumed.

## The Constraints

Materials: You can only use materials you can find somewhere in your classroom or home.

## The Build

Work in teams of 2-3 to create your designs. You may create a prototype, model, or provide a multi-view, annotated sketch.

## Test, Evaluate, and Redesign

Share your proposed solution with the rest of the class. As each group presents, evaluate the concepts based on the criteria and constraints. This can be recorded as a tally or on a Likert scale. After all groups have shared their ideas, reflect on how you would modify your design based on feedback and seeing other designs.

Activity #2

# Career Profile Activity Sheet

## Instructions

Conduct research to learn more about a career that you learned about in the Virtual Field Trip. Record your research notes below.

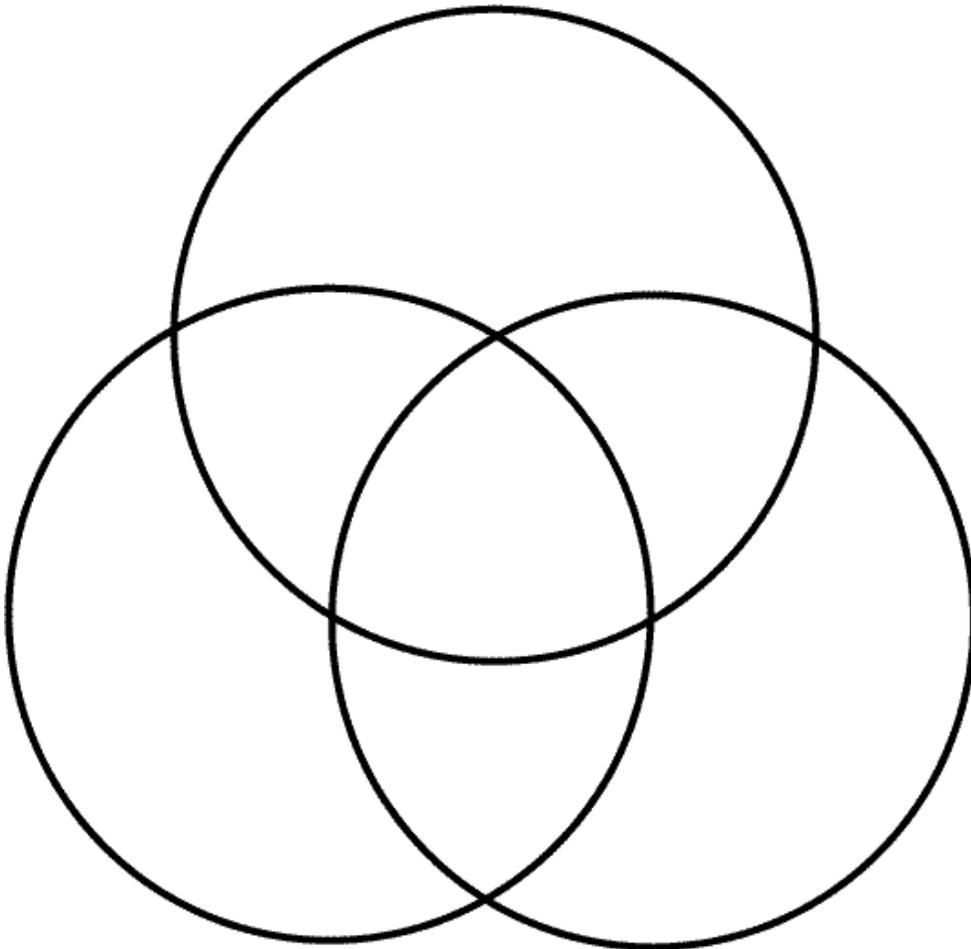
<b>CAREER NAME</b>	
Brief Description	
Education & Skills Required	
Salary Range	
Related Careers	
Current Job Openings, if available	
How this career impacts the agriculture industry	
Current classes I am taking that could help with this career	
How, if at all, this career matching my personal interest	
How, if at all, this career matches my skills and strengths	
I would/would not be interested in this career because:	

Activity #2

# Agriculture Careers: Similarities and Differences Activity Sheet

In the spaces below, write the names of the careers that you and your group researched. Then, complete the Venn diagram by writing descriptions that are unique to each career in the outer part of the circles and descriptions that are shared among two or more careers in the parts of the circles that overlap.

Career 1: \_\_\_\_\_



Career 2: \_\_\_\_\_

Career 3: \_\_\_\_\_