

# Katy Ayers - Mushroom Scientist - Kearney NE

# **Learning Goals**

Generate a wide range of ideas for solving a problem or challenge. Evaluate different potential solutions and identify the steps necessary to implement an idea.



# **Design Challenge Resources**

- ☐ Innovator Insights Video: **Mushroom Scientist**
- ☐ Word Wall Graphic Organizer
- ☐ Innovator Insights Collectors Card
- ☐ What If Graphic Organizer
- □ Notice/Wonder Graphic Organizer
- ☐ Synthesizing Ideas Graphic Organizer

## Steps

- Explore Key Questions for each video. Use those questions to engage before, during and after the videos.
- 2. Watch each video as a class, in small groups as a station, or individually.
- 3. Complete the innovator insights notes graphic organizer with key information about the innovator featured in the video.
- 4. Discuss in small groups or as a class:
  - a. The Type of Innovation
  - b. The Problem Being Solved
  - c. Who innovation helps
- 5. Write or record any additional questions you would like to ask the
- Record the Insight Unlocked vocabulary words to the word wall document.
- As an extension to the video, complete the **Ideation Design Challenge**: Brainstorm! from the innovator insights toolkit.

## Vocabulary

Mycelium: A network of fungal threads that grow underground helping absorb nutrients for mushrooms.

Sustainability: A product or process designed to last over time without ill effects or compromise to its environment.

# **Key Questions**

#### **Before**

- What is the first thing that comes to mind when you hear the
- What is something you made a big improvement in that made you proud of yourself?

## **During**

- What are some things you are uncertain about?
- What does uncertainty mean to you?

### After

- What is something you learned from by failing?
- How does failure help in the innovative process?

# **Insights Unlocked**

Sustainable

**Inventor** 

Networked Fungi

**Organic** Designer

**Career Field** 

**Agriculture, Food and Natural Resources** 









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