

Exploring the Challenges of Food Security in Global Communities: A Research Simulation

Objective: In groups of 3-4, students will select a global community based on research completed using the Global Food Security Index (<https://impact.economist.com/sustainability/project/food-security-index>) and make an argument for which of Michael Pollan's four food chains (Industrial, Industrial-Organic, Local and Sustainable, Hunter-Gatherer) would best address issues of food insecurity in that local community. Students will factor in the impacts of climate change and challenges connected to other SDGs - for example, SDG 6 Clean Water and Sanitation, SDG 11 Sustainable Cities and Communities).

Week 1 Initial engagement in Pollan's book/food culture. Introduction to vocabulary used in this module.

Week 2 Introduction to project. Initial dive into data and research. Formation of research groups and student expert groups. Students will begin project work

Week 3 Project presentations

Directions: Your group will pick one of the following to create your presentation. Each project should include:

- ❖ Geographic, historical, and cultural data that is relevant to your global communities' food culture, food insecurity issues, and poverty levels.
- ❖ Information on which SDGs are impacted, or are impacting, food insecurity in your global community. For example, if sustainability of food sources is a problem (as is the case in Indonesia) what is causing this? Are the impacts connected to climate change? Can you connect your project to SDG 12, 13, and 14?
- ❖ Information on the food chain you have chosen to address food insecurity in your global community. This section must contain specific evidence from the section in Pollan's book that corresponds to your project!
- ❖ Information on how the selection of this food change will address the challenges your community faces, including specific examples from your group's research.

Each group member will be responsible for creating one of the above components for their group's project. The method you use will depend on your group's decision, and you may combine more than one method if you choose to do so.

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<p><u>Canva Poster/ Poster</u></p> <p>Create a canva poster that discusses your food crisis, the related SDG's, and the food chain that would best support the crisis.</p> <p>See Examples here or here.</p> <p>Create your own using this link.</p>	<p><u>Infographic</u></p> <p>Create an infographic that discusses your food crisis, the related SDG's, and the food chain that would best support the crisis.</p> <p>See Examples here.</p> <p>Create your own on poster board.</p>	<p><u>Brochure</u></p> <p>Create a brochure that discusses your food crisis, the related SDG's, and the food chain that would best support the crisis.</p> <p>See Examples here.</p> <p>Create your own on poster board.</p>
<p><u>Google Slide Presentation</u></p> <p>Create a presentation that discusses your food crisis, the related SDG's, and the food chain that would best support the crisis.</p> <p>See Examples here.</p> <p>Create your own using this link.</p>	<p><u>Prezi</u></p> <p>Create a Prezi that discusses your food crisis, the related SDG's, and the food chain that would best support the crisis.</p> <p>See Examples here.</p> <p>Create your own using this link.</p>	<p><u>Flipgrid PSA/ video</u></p> <p>Create a flipgrid or a video that discusses your food crisis, the related SDG's, and the food chain that would best support the crisis.</p> <p>See Examples here.</p> <p>Create your own using this link.</p>

Global Food Security Initial Research

Lesson slides are here:

https://docs.google.com/presentation/d/1cVX_Ek1UJpKsmc9IMBcmXLNteSOrzL5CNn5NFPv5c30/edit?usp=sharing

Here's the website again:

<https://impact.economist.com/sustainability/project/food-security-index>

Anchor Chart Activity:

You will be placed into groups of 4. Each group will be responsible for becoming “student experts” on the section of Pollan’s book they are responsible for reading.

Criteria for anchor chart:

- Title of the book, author’s name, section/chapter title(s)
- Gist of section
- Relevant data/information contained in section
- Pros of food chain:
- Cons of food chain: