

Grade 10-12

Distance Learning Module 4: Week of: 4/20th - 4/24th

Science: Agricultural Science - Modified from [Unit #1 - Sustainable Agriculture](#)

Targeted Goals from Stage 1: Desired Results

Content Knowledge:

1. Agricultural ecosystems follow the same energy and nutrient rules as natural ecosystems.
2. A food system is the way the food moves from the farm to the consumer
3. The majority of food is supplied through industrial farming.
4. Industrial farming requires a great deal of land and resources.

Vocabulary:

Biogeochemical cycles, sustainability, biodiversity, production, processing, distribution, consumption, tillage, silt, loam, wetlands, pasture, manure, anhydrous ammonia, phosphate, potash, economic and environmental sustainability, riparian buffers, crop rotation, integrated pest management, organic, grazing, restoration, grassed waterways.

Skills:

Expectation:

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Monday: Students will read the articles and use material from articles to collect evidence in the essay organizer. Students will continue care of seedlings and maintain a daily log	essay organizer What is sustainable agriculture Sustainable Agriculture - The Basics Many shades of gray_ The context-dependent sustainable agriculture NPR article Essay: Its sustainable Agriculture realistic HOMEGROWN DAILY REPORT	essay organizer Papers & Essays: Crash Course Study Skills #9 Persuasive Essay Writing

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Tuesday: Students continue researching articles and recording evidence needed for the essay.	Advantages and Disadvantages of Factory Advantages of Industrial Agriculture.pdf Why Industrial Farms Are Good	essay organizer
Wednesday: office hours 9-11 , students work on research project and take care of their seedlings		essay organizer
Thursday: Students build a rough draft of essay from essay planner		rough draft copy
Friday: Students finish essay and submit Students turn in home grown log	HOMEGROWN DAILY REPORT	Rubric (1).docx

Week criteria for success (attach student checklists or rubrics):

rubric: posted in Google classroom

Supportive resources and tutorials for the week (plans for re-teaching):

Papers & Essays: Crash Course Study Skills #9

Persuasive Essay Writing