

Agricultural Science - FALL 2020

Grades: 6th – 9th
Day of Week: Monday
Time of Class: 11:00 am – 12:30 pm ET
Length of Class: 10 weeks
Semester: Fall 2020

Class Dates:

Week 1: September 14
Week 2: September 21
No Classes: September 28 - October 9 (Yom Kippur and Sukkot)
Week 3: October 12
Week 4: October 19
Week 5: October 26
Week 6: November 2
Week 7: November 9
Week 8: November 16
No Classes: November 23 – Thanksgiving Week
Week 9: November 30
Week 10: December 7
Make Up Week: December 14

Instructor's Name: Sarah Pope
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Description of Class:

Agriculture is nearly as old as the human race. Civilization itself is dependent on it. Everyone needs food for survival. Do you know where our food comes from? Understanding where our food originates and how it is processed is vital. In this class, we will explore the history and developments of agriculture, livestock and aquaculture. We will also discuss how our daily dietary selections have a major role in how the world around us looks and functions.

Class Approach:

This is an online class with notes, labs and projects. Each class, we will discuss concepts around food production and agriculture. We will have a fruit and vegetable project for students to present on, and weekly homework and quizzes.

Goals:

The goal for this class is for each student to understand how the food on their plate got there.

Textbook:

N/A

Readings will be provided by the teacher

Additional Supplies/Resources Needed:

- Daily: Computer, printer, headset, microphone, internet access, notebook paper, pen/pencil
- For projects and mini labs: radish seeds, sunflower, tomatoes, soil, paper towels, zip lock bags, construction paper, scissors, glue, etc.

Requirements:

Each student is responsible for attending the weekly classes, completing all online assignments in canvas and asking for additional help when needed.

Homework:

Read any reference material from class, complete your weekly homework assignments and as well as any online assignments or quizzes.

Homework Policy:

Students will be required to complete weekly assignments in addition to researching for the presentation, and completing any class projects.

Additional Policies:

You only get what you put into it.

Please be engaged, ask questions, and answer the ones in class.

Evaluation:

You will complete 4-5 quizzes and graded assignments in Canvas, and a final forecasting project. There will be opportunities for extra credit throughout the course.

Classwork/Homework Assignments – 40 %

Class Participation – 20%

Quizzes – 20%

Final Project – 20%

Grading Scale:

Percentages/Grades

100-90: A

89-80: B

79-70: C

69-60: D

59 – 0: No effort:

Anticipated Weekly Course Schedule:

Fall 2021

Week	Topic
Week 1	Introduction to Agricultural Science
Week 2	Soil & Irrigation
Week 3	Plant Science
Week 4	Fruit & Vegetable Presentations
Week 5	Livestock, Dairy & Poultry
Week 6	Green Revolution: Industrial Agriculture, GMOs & Pesticides
Week 7	Concentrated Animal Feeding Operations
Week 8	Food Processing & Preservation
Week 9	Environmental Impacts of Agricultural
Week 10	Organic Farming & Permaculture