

FLP IX: Journey 2050 – An Exploration into the Future **Course Syllabus**

COURSE AND NUMBER	Education 600 Food, Land, and People IX
CREDIT HOURS	Prerequisite: None 1 Professional Development Credit
FEES	Registration Fee to NDFB \$ 50.00 NDSU credit recording fee \$50.00
INSTRUCTOR:	Virginia Deitz, Phone: 701-799-1825 email: deitzv@gmail.com Jill D. Vigesaa, Phone 701-799-5488 email: jill.vigesaa@gmail.com
TEXTBOOKS:	Journey 2050 Online Experience; Food, Land & People Resources for Learning select lessons; www.agclassroom.org Curriculum Matrix; www.foodlandpeople.org ; www.ndaginclassroom.org
DESCRIPTION:	This course will take the teachers on a virtual simulation that explores world food sustainability. Journey 2050 is an online simulation that will allow educators to make decisions on a virtual farm and witness their impact on society, the environment and the economy at a local and global scale. Teachers to explore and understand the core question, “How will we sustainably feed 9 billion people by the year 2050?” They will complete their own online Journey 2050 module and a career exploration lesson with students during the course. The lessons introduce and utilize the 5E Instruction Model: Engage, Explore, Explain, Elaborate and Evaluate. https://nasaclips.arc.nasa.gov/teachertoolbox/the5e The lessons are aligned in multiple content areas: language arts, science, health, art, consumer education, mathematics, social studies, geography, and more. The information will be given as an online correspondence course.
NATIONAL BOARD FOR PROFESSIONAL TEACHING STANDARDS:	The National Board for Professional Teaching Standards seeks to identify and recognize teachers who effectively enhance student learning and demonstrate a high level of knowledge, skills, abilities and commitments. This course aligns with all 5 of those standards.
OBJECTIVES:	<ol style="list-style-type: none">1. Understand the core question, “How will we sustainably feed 9 billion people by the year 2050?” Describe population growth, explain sustainable and the ripple effect. Understand the role of food waste in our world.2. Identify the primary soil nutrients necessary for the production of abundant and healthy food. Discover how plant health impacts the plant’s ability to resist disease and pests.

3. Develop an understanding of the limited amount of fresh water on earth and the need for conservation and protection related to population growth and agriculture.
4. Learn about the relationship between a sustainable economy and the environment. Understand the ripple effect from production agriculture and its effect on local and global economies.
5. Identify and use learning activities to gain perspectives regarding the connections of food, land, and people.
6. Use online career exploration tools to help students identify personal interests and explore related careers that can impact world food needs.

TOPICAL
OUTLINE

1. Participate in a two hour, introductory and interactive video training with facilitator and colleagues (2 hours)
2. Complete the online simulation of Journey 2050 modules: Introduction to Sustainable Agriculture, Plant Health, Water, Economy, Land Use, Careers and Summary (6 hours)
3. Post and participate in Google Classroom discussion with facilitators and colleagues as a reflective evaluation for each of the six lesson modules. (2 hours)
4. Share and have a group of students complete the career assessment AgExplorer as a classroom experience www.agexplorer.com (2 hours)
5. Complete the final FLP Journey 2050 Journal (1 hour)
6. Participate in the closing interactive video conference with facilitators and colleagues. (2 hours)

REQUIREMENTS:

Attendance: Educator must be in attendance for the introduction and closing video sessions

Class Assignments: Educator must complete and participate in the Google Classroom Online posting for each unit of Journey 2050

Student Participation: Educator must present the AgExplorer assessment to students and share a reflective report during the closing video session

Reflective Journal: Educator must complete the final Journal activity

EVALUATION:

The students will be evaluated on the completion of the requirements with point values stated. The attached course rubric will be utilized for individual student assessment and letter grading.

STUDENTS WITH
DISABILITIES:

Any students with disabilities or other special needs, who need special accommodations in this course are invited to share these concerns or requests with the instructor as soon as possible.

ACADEMIC
HONESTY
STATEMENT:

All work in this course must be completed in a manner consistent with NDSU University Senate Policy, Section 335: Code of Academic Responsibility and Conduct

https://www.ndsu.edu/education/teacher_education/academic_integrity_statement/