



Lesson Plan

Creating Solutions

Created: 03/2017 by the National FFA Organization

STUDENT LEARNING OBJECTIVES:

After completing these activities, students will...

1. Describe the United Nations sustainable development goal of zero hunger.
2. Create solutions to address the issue of hunger and provide action items to create a zero-hungry world.
3. Understand the role of the United Nations on global issues, including agriculture.

TIME REQUIRED: 30 minutes

RESOURCES:

1. FFA.org
2. Website – United Nations Sustainable Development Knowledge Platform
<https://sustainabledevelopment.un.org/?menu=1300>

EQUIPMENT AND SUPPLIES NEEDED:

1. A copy of the "Creating Solutions" worksheet for each student.
2. Internet and computer access to the website for each student.

THIS QUICK LESSON PLAN WOULD WORK WELL AS:

1. Part of a unit about global agriculture.
2. Part of a unit about agricultural advances.
3. Part of a unit about agricultural policy.

THESE ACTIVITIES ARE ALIGNED TO THE FOLLOWING STANDARDS:

FFA Precept

- FFA.PL-A.Action: Assume responsibility and take the necessary steps to achieve the desired results, no matter what the goal or task at hand.
- FFA.PG-I.Professional Growth: Assume responsibility for attaining and improving upon the skills needed for career success.
- FFA.PG-J.Mental Growth: Embrace cognitive and intellectual development relative to reasoning, thinking and coping.
- FFA.CS-M.Communication: Effectively interact with others in personal and professional settings.

AFNR Cluster Skills

- CS.01. Analyze how issues, trends, technologies and public policies impact systems in the Agriculture, Food & Natural Resources Career Cluster.

Common Core - Writing

- CCSS.ELA-LITERACY.W.9-10.2 Write informative/explanatory texts to examine and convey complex ideas, concepts, and information clearly and accurately through the effective selection, organization, and analysis of content.
- CCSS.ELA-LITERACY.W.9-10.4 Produce clear and coherent writing the development, organization, and style are appropriate to task, purpose, and audience.

Common Core - Speaking and Listening

- CCSS.ELA-LITERACY.SL.9-10.1 Initiate and participate effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grades 9-10 topics, texts, and issues, building on others' ideas and expressing their own clearly and persuasively.
- CCSS.ELA-LITERACY.SL.9-10.4 Present information, findings, and supporting evidence clearly, concisely, and logically such that listeners can follow the line of reasoning and the organization, development, substance, and style are appropriate to purpose, audience, and task.

Common Core - Language

- CCSS.ELA-LITERACY.L.9-10.6 Acquire and use accurately general academic and domain-specific words and phrases, sufficient for reading, writing, speaking, and listening at the college and career readiness level; demonstrate independence in gathering vocabulary knowledge when considering a word or phrase important to comprehension or expression.

Common Core - Math Practices

- CCSS.MP3: Construct viable arguments and critique the reasoning of others.
- CCSS.MP6: Attend to precision.

- CCSS.MP7: Look for and make use of structure.

AFNR Career Ready Practices

- CRP.02. Apply appropriate academic and technical skills. Career-ready individuals readily access and use the knowledge and skills acquired through experience and education to be more productive.
- CRP.04. Communicate clearly, effectively, and with reason. Career-ready individuals communicate thoughts, ideas and action plans with clarity, whether using written, verbal and/or visual methods.
- CRP.05. Consider the environmental, social and economic impact of decisions. Career-ready individuals understand the interrelated nature of their actions and regularly make decisions that positively impact and/or mitigate negative impact on other people, organizations and the environment.
- CRP.06. Demonstrate creativity and innovation. Career-ready individuals regularly think of ideas that solve problems in new and different ways, and they contribute those ideas in a useful and productive manner to improve their organization.
- CRP.08. Utilize critical thinking to make sense of problems and persevere in solving them. Career-ready individuals readily recognize problems in the workplace, understand the nature of the problem, and devise effective plans to solve the problem.

Partnership for 21st Century Skills

- Civic Literacy
- Communication
- Critical Thinking and Problem Solving
- Information Literacy
- Information, Communications, and Technology Literacy
- Initiative and Self-direction
- Media Literacy
- Productivity and Accountability

LESSON PLAN:

1. *Introduction:* American agriculture is part of a larger, global economy. In order for American agriculture to progress, it is important to be aware of the issues facing other nations around the world. In response to a rapidly change world, the United Nations released 17 sustainable development goals to focus in on the issues that are at the forefront of our future. For the purpose of this lesson, we will focus on Goal 2: Zero Hunger.
2. *Activity:* Each student should have access to a computer and the worksheet, "Creating Solutions." Have students go to the United Nations Sustainable Development Goals website and click on "Zero Hunger." The website can be found here: <https://sustainabledevelopment.un.org/?menu=1300>.
 - a. Individually, have students work through Part I of the worksheet.
 - b. After students have completed Part I of the worksheet, have them identify a partner to work with for the remainder of the lesson.
3. *Follow Up:* Have a class discussion about the solutions students developed for Part II of the worksheet.
4. *Leveling Up:* Using the United Nations Sustainable Development Goals website, have students explore the other goals set forth by the United Nations. How do these goals relate to agriculture? How do these goals impact our local communities?

NAME: _____

Aligned to the following standards:
FFA.PL-A; FFA.PG-I; FFA.PG-J; FFA.CS-M; CS.01; CCSS.W.9-10.1; CCSS.W.9-10.2;
CCSS.W.9-10.4; CCSS.SL.9-10.1; CCSS.SL.9-10.4; CCSS.L.9-10.6; CCSS.MP3;
CCSS.MP6; CCSS.MP7; CRP.02; CRP.04; CRP.05; CRP.06; CRP.08

Creating Solutions

DIRECTIONS:

Using the United Nations Sustainable Development Goals website, complete the worksheet below. The website can be found here: <https://sustainabledevelopment.un.org/?menu=1300>.

PART I

Individually, summarize Goal 2: Zero Hunger of the United Nations Sustainable Development Goals.

In the space provided below, summarize the United Nations Sustainable Development Goal 2: Zero Hunger. Be sure to include at least five main points.

PART II

With a partner, complete this part of the worksheet.

As the United Nations sets forth the goal of achieving a zero-hungry world by 2030, much of the responsibility will fall on local communities. With your partner, develop a plan for how you can help achieve a zero-hungry world by 2030 by doing things in your local community. Your plan should include who will be involved, how many people it will impact, funding needs, and how it will contribute to achieving a zero-hungry world by 2030.