Lesson Plan
3 of 4

Sustainability in Agriculture

Created: 09/2023 by the National FFA Organization

Sustainability is a HUGE buzzword these days. But what does it actually mean? Through this lesson series, students will consider that question as they discover the core principles of sustainability, engage with global sustainable development goals, examine sustainable practices at work in the field of agriculture and commit to actions they can take to live and work more sustainably in their own lives.

Thank you to our current partners in sustainability:

Student Learning Objectives:

After completing these activities, students will ...

1. Identify key areas, industries and practices within agriculture where sustainability is important.
2. Examine sustainability practices within the agriculture industry.
3. Explore agricultural careers related to sustainability.

Suggested Grade Level:

Grades 9 and 10 (This lesson is written so instructors can scale up or down based on class needs.)

Suggested Time:

80-90 minutes (*Time requirements may vary based upon student understanding and class schedule.)

Resources/References:

1. Video: “Agriculture’s Sustainability Story: It’s Just What We Do,” https://www.youtube.com/watch?v=fc3IUYOV5jQ
2. Website: NASA: Global Climate Change, https://climate.nasa.gov/
3. Website: EPA: Basics of Climate Change, https://www.epa.gov/climatechange-science/basics-climate-change
4. Website: Washington Department of Ecology: Water Conservation: It All Starts With You, https://ecology.wa.gov/Issues-and-local-projects/Education-training/What-you-can-do/Water-conservation
5. Website: United Nations: Sustainable Development Goals, https://www.un.org/sustainabledevelopment/
6. Website: USDA NRCS: Soil Health, https://www.nrcs.usda.gov/conservation-basics/natural-resource-concerns/soils/soil-health
7. Website: Biology Online: Waste Management, https://www.biologyonline.com/dictionary/waste-management

8. Website: The Nature Conservancy: Eight Ways to Reduce Waste, https://www.nature.org/en-us/about-us/where-we-work/united-states/delaware/stories-in-delaware/delaware-eight-ways-to-reduce-waste/
9. Website: Farmers for a Sustainable Future, http://voa2.fb.org/land/fsf
10. Website: AgExplorer, AgExplorer.FFA.org/

Related Resources:

1. AgExplorer Sustainability Systems Focus Area, AgExplorer.FFA.org/focus/sustainability-systems/
2. Darling Ingredients Educational Resources, https://FFA.box.com/s/3ko8e9w6zygohv1ewfsnc8byobjzeuxa
3. Valent — Sustainability in Agriculture Lesson Series, https://FFA.box.com/v/sustainabilityinagriculture

Equipment and Supplies Needed:

1. A copy of the "It's Just What We Do" worksheet for each student
2. A copy of the "Areas of Focus" worksheet for each student
3. A copy of the "Areas of Focus" PowerPoint presentation to present to the class
4. A copy of the "Exploring Sustainable Practices" worksheet for each student
5. A copy of the "Sustainability Careers" worksheet for each student
6. Internet access to play videos in real time or embed them in a PowerPoint ahead of time

Vocabulary:

1. Climate Change
2. Soil Health
3. Waste Management
4. Water Conservation

Cross-Curricular Connections:

English/Language Arts	Technology
Students will define the areas of focus within sustainability and explain why each area is important.	Students will utilize technology to identify and describe career opportunities within sustainability.

Virtual Instruction Ideas:

- For Activity 1, use an online tool (Nearpod, PearDeck, etc.) to develop asynchronous versions of the slides and have students navigate them on their own devices.
- For all the activities, provide digital versions of each worksheet and access to the necessary online resources to complete each activity via your school's learning management system.

Student Activity Sheets:

Direct access to student activity sheets without lesson plan or answer key for easy upload to a learning management system or printing for classwork.

https://ffa.box.com/s/iofpk0h2ack500dm29j2azzzu7d99b71 (Word)
https://ffa.box.com/s/yl5mvkz9gqwlph52prbzd2p6lxzt6fpw (Non-Designed Word)
https://ffa.box.com/s/slqk081ta07ouca8egg4upiinloqx4oc (PDF)
https://docs.google.com/document/d/1icHuHhQSjDwwGBnOm6aaxIJwipYdY_Xs6bipxu-kS2Y/copy (Google)
https://docs.google.com/document/d/1jcWQP5wxSHQEgLq0GVBT7d0Zc2nyUM-sxzxRPL0cMbI/copy (Non-Designed Google)
https://ffa.box.com/s/aggjyqhm40x2ghewuroy9xl9g0kzqwqj (PowerPoint)
https://docs.google.com/presentation/d/1J184PwcMrrQmliyfDU4Kig_L2eVQPszGJh1mqSiAL1o/copy (Google Slides)

These Activities Are Aligned to the Following Standards:

AFNR Performance Element

- CS.04. Demonstrate stewardship of natural resources in AFNR activities.
- CS.05. Describe career opportunities and means to achieve those opportunities in each of the Agriculture, Food & Natural Resources career pathways.
- CS.06. Analyze the interaction among AFNR systems in the production, processing and management of food, fiber and fuel and the sustainable use of natural resources.

FFA Precept

- 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-P.Technical/Function Skills in Agriculture: Obtain knowledge and skills needed for a career in agriculture and related industries.

Common Career Technical Core

- AG4 Demonstrate stewardship of natural resources in AFNR activities.
- AG5 Describe career opportunities and means to achieve those opportunities in each of the Agriculture, Food & Natural Resources Career Pathways.
- AG6 Analyze the interaction among AFNR systems in the production, processing and management of food, fiber and fuel and the sustainable use of natural resources.

NASDCTEc

- AGC09.02 Select, research and examine critical aspects of career opportunities in one or more AFNR career pathways in order to gain an understanding of the breadth of occupations within this cluster.

Common Core – Reading: Informational Text

- CCSS.ELA-Literacy.RI.9-10.1 Cite strong and thorough textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text.
- CCSS.ELA-Literacy.RI.9-10.2 Determine a central idea of a text and analyze its development over the course of the text, including how it emerges and is shaped and refined by specific details; provide an objective summary of the text.

Common Core – Writing

- CCSS.ELA-Literacy.W.9-10.1 Write arguments to support claims in an analysis of substantive topics or texts, using valid reasoning and relevant and sufficient evidence.
- 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.

Common Core – Literacy in Science & Technical Subjects: Writing

- CCSS.ELA-Literacy.WHST.9.10.4 Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.

Next Generation Science

- HS-ETS1-3 Evaluate a solution to a complex real-world problem based on prioritized criteria and trade-offs that account for a range of constraints, including cost, safety, reliability, and aesthetics as well as possible social, cultural, and environmental impacts.

Green/Sustainability Knowledge and Skill Statements

- AFNR Career Cluster, Statement 3 Communicate the impact of green and sustainability principles on agriculture, food and natural resource systems.
- AFNR Career Cluster, Statement 7 Demonstrate an understanding of green and sustainability trends that are impacting processes and markets in AFNR.

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.

Partnership for 21st Century Skills

- Communication
- Environmental Literacy
- Global Awareness
- Initiative and Self-direction
- Information, Communications, and Technology Literacy
- Think Creatively

Lesson Plan:

1. **Bell Ringer:** Provide students with a copy of the "It's Just What We Do" handout. Play the video "Agriculture's Sustainability Story: It's Just What We Do" (https://www.youtube.com/watch?v=fc3lUYOV5jQ) from the American Farm Bureau Federation, and have students complete the handout as the video plays.

2. **Introduction:** After playing the video, have a short discussion about what students saw in the video. Also discuss the reflection question from the worksheet: Based on the stories shared by the farmers in the video, how can sustainable farming practices contribute to long-term environmental and societal benefits? To lead into the next section of the lesson, ask students, based on the video, what topics are important within sustainability related to agriculture (soils, water, animal waste, etc.). Explain that as a class you are going to explore some of those areas where it is important to be sustainable.

3. **Activity 1:** *(20 minutes)* Each student needs a copy of the worksheet "Areas of Focus."
    a. Using the provided "Areas of Focus" PowerPoint presentation (https://ffa.box.com/s/aggjyqhm40x2ghewuroy9xl9g0kzqwqj) , go through each of the four areas of focus for this lesson. As you go through each area, have students record what they know or what they have heard about that area. Have a short discussion about each area as you go and ask students to share their responses. Then, as you present the slides, have students record the explanation for each area and why they are important. Have students identify which sustainable development goals (SDGs) are tied to each area of focus (you may need to show a list/poster with each SDG to refresh students' memories of them). Finally, have students answer the conclusion questions at the end of their worksheets.
    b. Be sure to explain that these four areas are not the only areas in which sustainability is important but are the ones we have chosen to focus on for this lesson.
    c. Say: *Now, let's explore what it looks like to be sustainable in each of these areas.*

4. **Activity 2:** *(20 minutes)* Each student needs a copy of the worksheet "Exploring Sustainable Practices."
    a. Direct students to Farmers for a Sustainable Future (http://voa2.fb.org/land/fsf) and scroll down to the bottom of the page to the Learn More section. Students will explore these links to find five examples of current sustainable practices producers are using that fit within each of the categories: climate change, waste management, soil health and water conservation. Students will record these examples on their copy of "Exploring Sustainable Practices" and answer the additional questions there.
    b. Say: *As the field of sustainability grows, we will need more individuals who can help us into the future. Many different careers play a part in coming up with more innovative practices. Let's explore some of those careers now.*

5. **Activity 3:** *(25 minutes)* Each student needs a copy of the worksheet "Sustainability Careers."
    a. Direct students to AgExplorer (AgExplorer.FFA.org/) and scroll down to the Sustainability Systems tile to explore careers in sustainability. First, they will fill in the blanks in the description of the career focus area. Then they will pick five careers from the Sustainability Systems focus area and fill out the table on their worksheets with the pertinent information. Finally, students will answer the questions at the end of the worksheet.

6. **Follow-up:** To personalize these areas of focus for students, ask them to think about each of the areas in their own lives. Hold a brief class discussion about 1) how each area affects their lives (homes, food, communities, etc.) and 2) what small action they can take to be part of the sustainability effort in each area.

7. **Optional – Extended Learning Opportunities (Not factored into time requirement):**
    a. *(20-25 minutes)* Have students get into groups to further research and create posters about each of the four areas of focus and the practices included in each of those areas. These posters could then be hung in the classroom.

8. **Exit Ticket:** Use a ball-toss activity to have students share one sustainable practice they learned about and which area of focus it is related to.

Name: _____

“It’s Just What We Do”

Aligned to the following standards:
Cs.0; CS.05; CS.06; FFA.PG.1; FFA.PG.J; FFA CS.P; AG4; AG5; AG6; AGCO9.02; CCSS.ELA.RI.9-10.1; CCSS.ELA.RI.9-10.2; CCSS.ELA.W.9-10.1; CCSS.ELA.W.9-10.2; CCSS.ELA.WHSY.9.10.4; HS-ETS1-3; AFNR Career Cluster Statement 3; AFNR Career Cluster Statement 7; CRP.02; CRP.04; CRP.05

Directions:

As you watch the video “Agriculture’s Sustainability Story: It’s Just What We Do,” answer the following questions.

Introduction

1. How do farmers typically perceive sustainability?

2. What are some of the environmental concerns mentioned by the farmers? How do you think these challenges impact their farming practices?

Tara Vander Dussen

3. According to Tara Vander Dussen, what is one important step they have taken to conserve water on their dairy farm?

4. How do they utilize cotton waste on their farm?

5. How do they use cow manure to improve soil health?

Doug Darling

6. What does Doug Darling mention as a farming practice they have been following since the early 1980s?

7. What is the purpose of the filter strips on their farm?

8. What motivates Doug to take care of the land and practice sustainable farming?

Kamal Bell

9. Why does Kamal Bell consider farming a difficult job?

10. What motivated Kamal to become a farmer, and what is his mission?

11. How does Kamal define sustainability?

Reflection

12. Based on the stories shared by the farmers in the video, how can sustainable farming practices contribute to long-term environmental and societal benefits?

Name: _____

Areas of Focus

Aligned to the following standards:
Cs.0; CS.05; CS.06; FFA.PG.1; FFA.PG.J; FFA CS.P; AG4; AG5; AG6; AGCO9.02; CCSS.ELA.RI.9-10.1; CCSS.ELA.RI.9-10.2; CCSS.ELA.W.9-10.1; CCSS.ELA.W.9-10.2; CCSS.ELA.WHSY.9.10.4; HS-ETS1-3; AFNR Career Cluster Statement 3; AFNR Career Cluster Statement 7; CRP.02; CRP.04; CRP.05

Directions:
As your teacher goes through the following areas of focus for sustainability, record the information below.

Climate Change

What do you know? What have you heard about this topic?

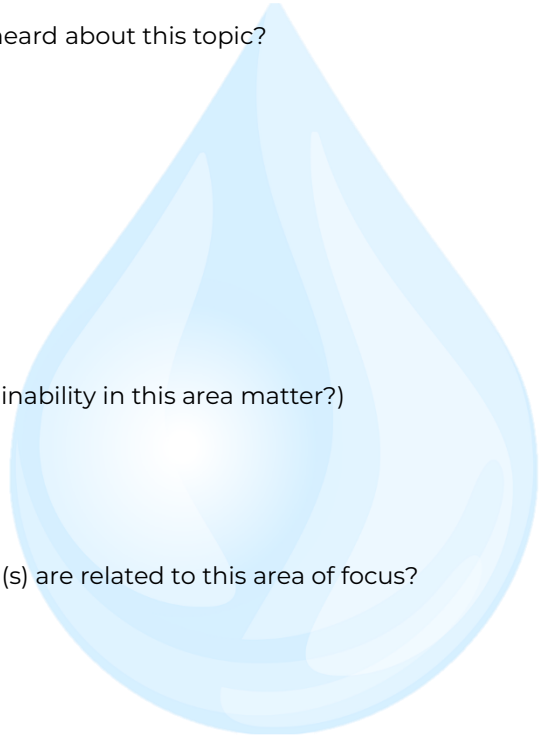
What is it? (Define the area of focus.)

Why is it important? (Why does sustainability in this area matter?)

Which sustainable development goal(s) are related to this area of focus?

Water Conservation

What do you know? What have you heard about this topic?



What is it? (Define the area of focus.)

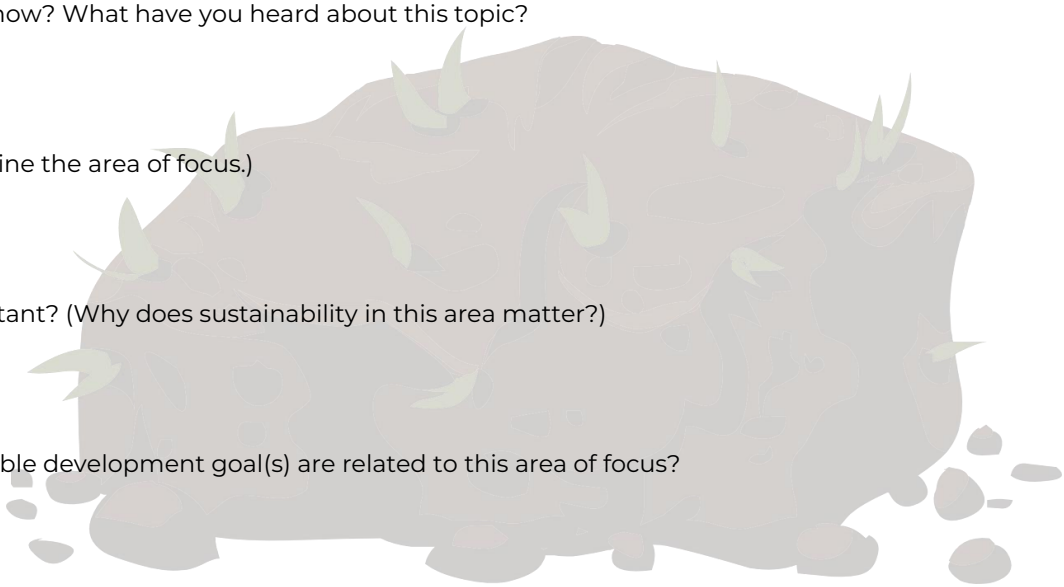
Why is it important? (Why does sustainability in this area matter?)

Which sustainable development goal(s) are related to this area of focus?

Name: _____

Soil Health

What do you know? What have you heard about this topic?



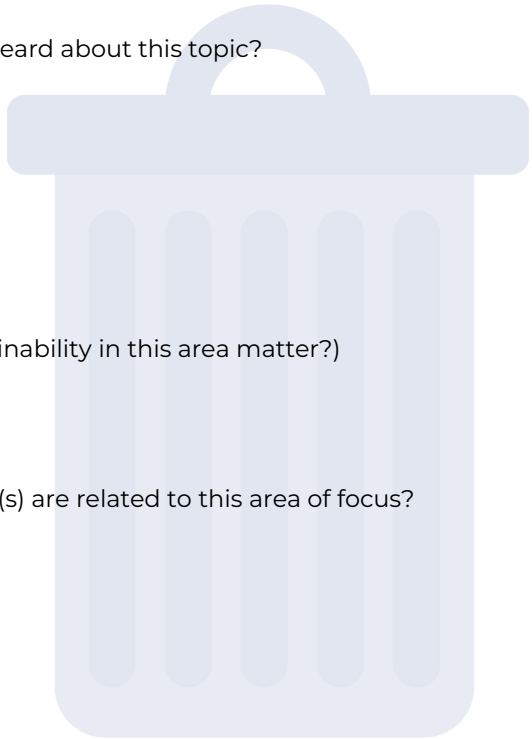
What is it? (Define the area of focus.)

Why is it important? (Why does sustainability in this area matter?)

Which sustainable development goal(s) are related to this area of focus?

Waste Management

What do you know? What have you heard about this topic?



What is it? (Define the area of focus.)

Why is it important? (Why does sustainability in this area matter?)

Which sustainable development goal(s) are related to this area of focus?

Conclusion

1. Considering everything you've learned so far, explain why sustainability matters.

2. What other areas within agriculture can you think of where it would be important to incorporate sustainable practices?

Name: _____

Exploring Sustainable Practices

Aligned to the following standards:
Cs.0; CS.05; CS.06; FFA.PG.1; FFA.PG.J; FFA CS.P; AG4; AG5; AG6; AGCO9.02; CCSS.ELA.RI.9-10.1; CCSS.ELA.RI.9-10.2; CCSS.ELA.W.9-10.1; CCSS.ELA.W.9-10.2; CCSS.ELA.WHSY.9.10.4; HS-ETS1-3; AFNR Career Cluster Statement 3; AFNR Career Cluster Statement 7; CRP.02; CRP.04; CRP.05

Directions:

Navigate to Farmers for a Sustainable Future (http://voa2.fb.org/land/fsf) and scroll down to the bottom of the page to the Learn More section. Explore those links and find five examples of current sustainable practices producers are using that fit within each of the areas of focus: climate change, water conservation, soil health and waste management.

Sustainable Practices	
Climate Change	**Water Conservation**
1. 2. 3. 4. 5.	1. 2. 3. 4. 5.
Soil Health	**Waste Management**
1. 2. 3. 4. 5.	1. 2. 3. 4. 5.

1. Based on your exploration of sustainable practices, how do you think these initiatives contribute to a more sustainable future for agriculture?

2. What do you think are the key factors that drive agriculture producers to adopt sustainable practices in their operations?

3. In your opinion, how important is it for agriculture producers to prioritize sustainable practices? Why?

Name: _____

Sustainability Careers

Aligned to the following standards:
Cs.0; CS.05; CS.06; FFA.PG.1; FFA.PG.J; FFA CS.P; AG4; AG5; AG6; AGCO9.02; CCSS.ELA.RI.9-10.1; CCSS.ELA.RI.9-10.2; CCSS.ELA.W.9-10.1; CCSS.ELA.W.9-10.2; CCSS.ELA.WHSY.9.10.4; HS-ETS1-3; AFNR Career Cluster Statement 3; AFNR Career Cluster Statement 7; CRP.02; CRP.04; CRP.05

Directions:

Go to AgExplorer.FFA.org and scroll down to Sustainability Systems. Click on the tile and use the information on those pages to help you complete the activity below.

Fill in the blanks below in the summary of the Sustainability Systems focus area:

Are you interested in helping to _____ the _____ by making the _____ _____ by _____ industry practices? A career in _____ may be right for you. If you are looking to _____ the environmental _____ from _____ practices, check out sustainability. This area allows _____ to really _____ _____ to think outside of the box to _____ a better _____ for everyone.

Choose five careers of interest to you from the Sustainability Systems focus area to complete the following table.

Career	Career Summary and General Job Responsibilities	Education and Training Required	Activities in High School to Prepare for This Career	Average Salary

1. Which sustainability careers did you find most interesting during your time on AgExplorer? Why did they stand out to you?

2. What additional research or steps could you now take to further explore the careers that interest you?

3. Why are careers in sustainability important for the future of the agriculture industry?

Name: _____

KEY: "It's Just What We Do"

Directions:

As you watch the video "Agriculture's Sustainability Story: It's Just What We Do," answer the following questions.

Introduction

1. How do farmers typically perceive sustainability?

Farmers view sustainability as a natural part of their everyday work and don't consider it to be anything special, but they do consider it to be important. Their goal is to best care for the land, crops, animals and natural resources.

2. What are some of the environmental concerns mentioned by the farmers? How do you think these concerns impact their farming practices?

The farmers mention concerns about water conservation, declining water tables, droughts, air quality and water quality. (Answers may vary for how students think these concerns affect their farming practices.)

Tara Vander Dussen

3. According to Tara Vander Dussen, what is one important step they have taken to conserve water on their dairy farm?

They have changed the variety of crops they plant to include drought-tolerant crops like hay grazer, which helps them conserve water.

4. How do they utilize cotton waste on their farm?

They feed the cotton seeds, which are left over after cotton production, to their cattle as a source of protein.

5. How do they use cow manure to improve soil health?

They compost all the cow manure and use it on their fields to enhance the soil health.

Doug Darling

6. What does Doug Darling mention as a farming practice they have been following since the early 1980s?

They have been practicing no-till farming since the early 80s.

7. What is the purpose of the filter strips on their farm?

The filter strips capture any nutrients that might migrate off the cornfields and prevent them from reaching the water, thereby maintaining water quality.

8. What motivates Doug to take care of the land and practice sustainable farming?

Doug is motivated by the idea of taking care of the land for future generations. He believes that everything he does is not only for himself but also for his son, his grandson and the next generation.

Kamal Bell

9. Why does Kamal Bell consider farming a difficult job?

He considers farming to be a difficult job because it requires dealing with various factors like weather, carpentry, engineering, science, botany and multitasking.

10. What motivated Kamal to become a farmer, and what is his mission?

Kamal was motivated to become a farmer after learning about food deserts and the lack of accessibility to healthy foods in certain communities. His mission is to grow food and make it accessible to people affected by food deserts.

11. How does Kamal define sustainability?

Kamal defines sustainability as longevity and described how he values both the present moment and long-term thinking.

Reflection

12. Based on the stories shared by the farmers in the video, how can sustainable farming practices contribute to long-term environmental and societal benefits?

Answers will vary.

Name: _____

KEY: Areas of Focus

Directions:
As your teacher goes through the following areas of focus for sustainability, record the information below.

Climate Change

What do you know? What have you heard about this topic?

Answers will vary.

What is it? (Define the area of focus.)

Significant change in climate including temperature, precipitation or wind that lasts for an extended period of time
The main focus of those in the sustainability movement is to limit the effects of human activities on the environment and global climate.

Why is it important? (Why does sustainability in this area matter?)

- Climate change affects all organisms on Earth.
- Increased threats like floods, wildfires, higher temperatures, droughts, etc. are harmful to everyone.
- As the population increases, global climate change will increase exponentially if mitigation efforts are not taken.

Which sustainable development goal(s) are related to this area of focus?

Answers will vary. Could include SDG 12: Responsible Consumption and Production and SDG 13: Climate Action

Water Conservation

What do you know? What have you heard about this topic?

Answers will vary.

What is it? (Define the area of focus.)

Efforts to use water efficiently and avoid waste to ensure that there is an adequate supply of water for today's needs and for the future

Why is it important? (Why does sustainability in this area matter?)

- Water is a limited resource that must be managed well.
- Safe, drinkable/usable water is essential for all living things including plants, animals and people.
- Demand for water is rising due to population growth, urbanization and increasing water needs from agriculture, industry and energy sectors.

Which sustainable development goal(s) are related to this area of focus?

Answers will vary. Could include SDG 6: Clean Water and Sanitation and SDG 14: Life Below Water

Name: _____

Soil Health

What do you know? What have you heard about this topic?

Answers will vary.

What is it? (Define the area of focus.)

"Soil health is defined as the continued capacity of soil to function as a vital living ecosystem that sustains plants, animals and humans. Healthy soil gives us clean air and water, bountiful crops and forests, productive grazing lands, diverse wildlife and beautiful landscapes" (USDA).

Why is it important? (Why does sustainability in this area matter?)

- Healthy soils are the foundation of sustainable agriculture.
- Healthy soils allow producers to conserve resources on their land, minimize erosion, maximize water efficiency, improve soil nutrients and save money on their inputs into the land.

Which sustainable development goal(s) are related to this area of focus?

Answers will vary. Could include SDG 2: Zero Hunger, SDG 12: Responsible Consumption and Production and SDG 15: Life on Land

Waste Management

What do you know? What have you heard about this topic?

Answers will vary.

What is it? (Define the area of focus.)

Waste management refers to the practices used to manage and dispose of wastes. The primary objective is to reduce the number of unusable materials and to avert potential health and environmental hazards.

Why is it important? (Why does sustainability in this area matter?)

- The average American produces about 4.4 pounds of trash per day.
- Reducing this amount of waste would mean less material in landfills, environments, oceans, etc.
- Excessive waste contributes to pollution, climate change, and the destruction of natural resources and habitats.

Which sustainable development goal(s) are related to this area of focus?

Answers will vary. Could include SDG 9: Industry, Innovation and Infrastructure; SDG 12: Responsible Consumption and Production; and SDG 13: Climate Action

Conclusion

1. As a whole, why does sustainability matter?

   Answers will vary.

2. What other areas within agriculture can you think of where it would be important to incorporate sustainable practices?

   Answers will vary.

Name: _____

KEY: Exploring Sustainable Practices

Directions:

Navigate to Farmers for a Sustainable Future (http://voa2.fb.org/land/fsf) and scroll down to the bottom of the page to the Learn More section. Explore those links and find five examples of current sustainable practices producers are using that fit within each of the areas of focus: climate change, water conservation, soil health and waste management.

Sustainable Practices	
Climate Change	**Water Conservation**
1. Answers will vary. 2. Answers will vary. 3. Answers will vary. 4. Answers will vary. 5. Answers will vary.	1. Answers will vary. 2. Answers will vary. 3. Answers will vary. 4. Answers will vary. 5. Answers will vary.
Soil Health	**Waste Management**
1. Answers will vary. 2. Answers will vary. 3. Answers will vary. 4. Answers will vary. 5. Answers will vary.	1. Answers will vary. 2. Answers will vary. 3. Answers will vary. 4. Answers will vary. 5. Answers will vary.

1. Based on your exploration of sustainable practices, how do you think these initiatives contribute to a more sustainable future for agriculture?
   Answers will vary.

2. What do you think are the key factors that drive agriculture producers to adopt sustainable practices in their operations?
   Answers will vary.

3. In your opinion, how important is it for agriculture producers to prioritize sustainable practices? Why?
   Answers will vary.

Name: _____

KEY: Exploring Sustainable Practices

Directions:

Go to AgExplorer.FFA.org and scroll down to Sustainability Systems. Click on the tile and use the information on those pages to help you complete the activity below.

Fill in the blanks below in the summary of the Sustainability Systems focus area:

Are you interested in helping to ___shape___ the ___future____ by making the _____environment_____ ____better____ by _____improving_____ industry practices? A career in _____sustainability_____ may be right for you. If you are looking to ___improve___ the environmental ___impact____ from ____everyday____ practices, check out sustainability. This area allows ___professionals___ to really ___dream___ __big__ to think outside of the box to ___create___ a better ____future____ for everyone.

Choose five careers of interest to you from the Sustainability Systems focus area to complete the following table.

Career	Career Summary and General Job Responsibilities	Education and Training Required	Activities in High School to Prepare for This Career	Average Salary
Answers will vary.	Answers will vary.	Answers will vary.	Answers will vary.	Answers will vary.
Answers will vary.	Answers will vary.	Answers will vary.	Answers will vary.	Answers will vary.
Answers will vary.	Answers will vary.	Answers will vary.	Answers will vary.	Answers will vary.
Answers will vary.	Answers will vary.	Answers will vary.	Answers will vary.	Answers will vary.
Answers will vary.	Answers will vary.	Answers will vary.	Answers will vary.	Answers will vary.

1. Which sustainability careers did you find most interesting during your time on AgExplorer? Why did they stand out to you?
   Answers will vary.
2. What additional research or steps could you now take to further explore the careers that interest you?
   Answers will vary but could include job shadows, internships, college visits, interviewing professionals, etc.
3. Why are careers in sustainability important for the future of the agriculture industry?
   Answers will vary.