



HOSA Mini-Lesson: Discovering One Health

Objectives:

1. Students will understand that the health of people is dependent on the health of animals and the environment (slides 3-11)
2. Students will understand the need for vaccines (slide 21-23)
3. Students will better understand the importance of protecting our environment (slides 3, 5-9, 23)
4. Students will better understand disease transmission and mutations (slides 4-20)
5. Students will understand what health professionals are combating (slides 11, 20-24)
6. Students will understand the importance of good communication between different professions (slides 24-25)

Time:

Lecture on One Health (video + teaching) - 1 class period
Creating & Presenting Skits - 1 class period

Materials:

Video with audio
Internet Access
Paper & Pen/Pencil

Instruction:

1. Share video of 'Discovering One Health - Part 1'.
2. Instruct the remainder of the lesson (PowerPoint).
3. Form small groups to create and work on the skits (skits can be worked on either during class time or as homework) as mentioned on slide 26.
4. Present the skits in the next class and vote on the best in class.

Assessment:

Skit demonstrating knowledge of the topic.

Standards:

NCHSE

- 7.1.1 Explain principles of infection transmission.
- 7.1.2 Differentiate methods of controlling the spread and growth of pathogens.
- 7.2.1 Apply personal safety procedures based on Occupational Safety and Health Administration (OSHA) and Centers for Disease Control (CDC) regulations.
- 8.1.2 Identify characteristics of effective teams.
- 8.2.4 Evaluate why teamwork is an important part of healthcare and how it improves patient care.
- 9.1.3 Describe public health strategies for prevention of disease.



United Nations Sustainable Development Goals: *(these are addressed throughout the lesson but highlighted slides are listed)*

Good Health and Well-being (slides 21-23)

Quality Education (slides 1-27)

Clean Water and Sanitation (slides 5-9)

Affordable and Clean Energy (slides 5-9- deforestation)

Sustainable Cities and Communities (slides 5-9- deforestation)

Responsible Consumption and Production (slides 5-9- deforestation)

Climate Action (slides 5-9)

Life on Land (slides 5-9)

Partnerships for the Goals (slides 22-25)

U.S. Next Generation Science Standards: *(these are addressed throughout the lesson but highlighted slides are listed)*

High School: LS2: Ecosystems: Interactions, Energy, and Dynamics (slides 5-9)

High School: LS3: Heredity: Inheritance and Variation of Traits (slides 12-21)

High School: LS 4: Biological Evolution: Unity and Diversity (slides 5-9, 12-19)

High School: ESS3: Earth and Human Activity (slides 5-9)

For additional One Health curriculum, visit www.OneHealthLessons.org.