

# One Health Educational Resources – Middle School



The following resources have been compiled to help teachers develop and deliver One Health-themed curricula at the Middle School level. For more ideas and a framework for creating One Health-themed lessons see the [Guide to Developing One Health Lessons for K-12](http://bit.ly/2lSabl8) (<http://bit.ly/2lSabl8>).

Learn more about the One Health Commission's [International One Health Education Task Force](http://bit.ly/2Ld6lF4), (<http://bit.ly/2Ld6lF4>).

## **Middle School Lesson Plan developed by the One Health Commission Education Task Force**

### ➤ **Solve a One Health Mystery!**

Teacher Workshop presentation, 7<sup>th</sup> Annual NSTA STEM Forum & Expo, July 13, 2018  
(downloadable files coming)

[Middle School Lesson Plan Overview](http://bit.ly/2xjewdS) (pdf, <http://bit.ly/2xjewdS>)

Abstract: Engage your students to join forces as they investigate a real-world problem in their neighborhoods. Join us as we demonstrate how a mysterious illness investigation exercise can be used to teach students about broader concepts of the interdependent relationships in urban and natural ecosystems, the importance of biodiversity, and the influence of science and technology on society and the natural world. Introduce the concept of One Health and illustrate how it can be used as a framework for building a variety of important skills across multiple disciplines, including math, science, language arts, and social studies. Attendees will participate in a short, interactive health emergency scenario which can be adapted to the classroom. An array of additional examples, and fun, locally adaptable, and affordable lesson ideas aimed at Next Generation Science Standards will be offered. This is part of a K-12 One Health Initiative.

**LINKS TO OTHER ONE HEALTH-RELATED TEACHING MATERIALS** (not created by the One Health Commission)

Note that some of these materials were developed for very specific purposes and may need to be modified or combined with other materials to construct a One Health lesson. To enhance the One Health messaging, teachers should consider developing questions aimed at meeting the guidelines in the [Guide to Developing One Health Lessons for K-12](http://bit.ly/2lSabl8).

- [Be a Zoonotic Disease Detective](http://bit.ly/2MKzSp5) (<http://bit.ly/2MKzSp5>)  
From Georgia 4-H, U.S. CDC and USDA APHIS  
Level: Grades 4-12
- [MedMyst Magazine: Disease Discovery – One Health Initiative](http://bit.ly/2NovHEQ) (<http://bit.ly/2NovHEQ>)  
Created (2010) in partnership: Rice U, U Texas, One Health Initiative team  
Level: Grades 4-9, Middle School

- [\*\*One Health Workshop – 7-12 Year Olds\*\*](#)  
Created by the International Veterinary Student Association (IVSA) Standing Committee on Veterinary Education (SCoVE)  
([Workshop Plan](http://bit.ly/2NT1ywD) - http://bit.ly/2NT1ywD)  
([PowerPoint](http://bit.ly/2xmtwr7) - http://bit.ly/2xmtwr7)
- [\*\*Soil Pollution in China\*\*](http://bit.ly/2u1fj0y) (http://bit.ly/2u1fj0y)  
From the Pulitzer Center Lesson Builder  
Level: K-12
- [\*\*NOVA Science NOW: 1918 Flu\*\*](https://to.pbs.org/2z97rQi) (https://to.pbs.org/2z97rQi)  
From NOVA Teachers  
Level: Middle and High school.
- [\*\*The Junior Disease Detectives: Operation Outbreak Graphic Novel\*\*](http://bit.ly/2MmNOWt)  
(http://bit.ly/2MmNOWt)  
Created by 4-H, NIFA, USDA APHIS, CDC  
Level: Middle and High School
- [\*\*Solve the Outbreak\*\*](http://bit.ly/2MJ4MP6) (http://bit.ly/2MJ4MP6)  
An interactive activity from the US Center’s for Disease Control and Prevention (CDC).
- [\*\*Outwitting Nature’s Greatest Killer\*\*](http://bit.ly/2KKOUv1) (http://bit.ly/2KKOUv1)  
From the Pulitzer Center Lesson Builder;  
Level: Elementary and Middle School
- [\*\*Zika Communication Toolkit for Schools and Campers\*\*](http://bit.ly/2Nk9RIM) (http://bit.ly/2Nk9RIM)  
Center for Disease Control and Prevention  
Level: K-12
- [\*\*4-H Community Health Outreach Toolkit: Responding to Mosquito-Borne Illnesses\*\*](http://bit.ly/2MI700Z)  
(http://bit.ly/2MI700Z)  
US Assistant Secretary for Preparedness and Response (ASPR), USDA NIFA (4-H), US National Health Security.  
Level: K-12

Updated 9-18-18



**One Health Education**