

One Health Educational Resources – K thru 12



The following resources have been compiled to help teachers develop and deliver One Health-themed curricula across K-12. 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/2ISab18) (<http://bit.ly/2ISab18>).

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

If you know of other One Health Educational Resources not yet listed here please let us know. cstroud@onehealthcommission.org

LESSON PLANS developed by the One Health Commission Education Task Force

- **Elementary School Level - The Web of Life: One Health Interconnections of Pets, People, and the Environment,**
Teacher Workshop presented, 7th Annual NSTA STEM Forum & Expo, July 13, 2018
(Downloadable files)
 - [Elementary Lesson Plan Overview](http://bit.ly/2IMmKOh) (pdf, <http://bit.ly/2IMmKOh>)
 - [Elementary Lesson Plan Overview](http://bit.ly/2lPr9XR), (Word doc, <http://bit.ly/2lPr9XR>)
 - [Elementary Classroom teaching slides](http://bit.ly/2KsGah8) (power point, <http://bit.ly/2KsGah8>)

- **Middle School Level - Solve a One Health Mystery!**
Teacher Workshop presented, 7th Annual NSTA STEM Forum & Expo, July 13, 2018
(Downloadable files)
 - [Middle School Lesson Plan Overview](http://bit.ly/2xjewdS) (pdf, <http://bit.ly/2xjewdS>)

- **High School Level - Discover the Interconnectedness of Human Sustainability and Earth's ecosystems with One Health!**
Teacher Workshop presented, 7th Annual NSTA STEM Forum & Expo, July 13, 2018. (Downloadable files)
 - [High School Lesson Plan Overview](http://bit.ly/2tYz7S9) (pdf, <http://bit.ly/2tYz7S9>)
 - [High School Lesson Plan Overview](http://bit.ly/2KtqXMP) (Word doc, <http://bit.ly/2KtqXMP>)
 - [High School Classroom Lesson slides](http://bit.ly/2KKMI6N) (pdf, <http://bit.ly/2KKMI6N>)

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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](#).

- [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
- [Epidemiologists: Disease Detectives](http://bit.ly/2IPQvOm) (http://bit.ly/2IPQvOm)
From PBS Learning Media and WGBH
Level: High School
- [Health for One, One Health for All](http://bit.ly/2tMGw7R) (http://bit.ly/2tMGw7R)
From the Michigan State Extension 4-H Animal Science Anywhere Program.
Level: General Elementary
- [Influenza Education Among Youth in Agriculture](https://www.cste.org/page/YIA) (https://www.cste.org/page/YIA)
Educational website created by the Council of State and Territorial Epidemiologists
[Repository of Influenza Educational materials](http://resources.cste.org/yia) (http://resources.cste.org/yia)
Level: All ages
- [Kansas State Olathe One Health Educational Resources](http://bit.ly/2FF0QzF) (http://bit.ly/2FF0QzF)
K-12 Classroom Activities
Classroom Presentations and Handouts
Educational Videos
- [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
- [NOVA Science NOW: 1918 Flu](https://to.pbs.org/2z97rQi) (https://to.pbs.org/2z97rQi)
From NOVA Teachers
Level: Middle and High 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)

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- [One Health Workshop – 12-18 Year Olds](#)
Created by the International Veterinary Student Association (IVSA) Standing Committee on Veterinary Education (SCoVE)
([Workshop Plan](http://bit.ly/2Ovh6DY) - <http://bit.ly/2Ovh6DY>)
([PowerPoint](http://bit.ly/2MK7sM5) - <http://bit.ly/2MK7sM5>)
- [Outwitting Nature’s Greatest Killer](#) (<http://bit.ly/2KKOUv1>)
From the Pulitzer Center Lesson Builder;
Level: Elementary and Middle School
- [Safer Farm Animal Contact Exhibits \(Safer FACEs\) Training Program](#)
Free, online training program offered by the Minnesota Department of Health (MDH). When you complete the program, MDH will provide certification that you/your organization has learned best practices for visitor-animal interactions.
- [Soil Pollution in China](#) (<http://bit.ly/2u1fj0y>)
From the Pulitzer Center Lesson Builder
Level: K-12
- [Solve the Outbreak](#) (<http://bit.ly/2MJ4MP6>)
An interactive activity from the US Center for Disease Control and Prevention (CDC).
Middle and High School
- [Stay Healthy Around Small Pets](#) (<http://bit.ly/2FQzzt2>)
Educational flier created by US Center for Disease Control and Prevention (CDC)
[Healthy Pets, Healthy People Program](#) (<http://bit.ly/2MpUp3H>)
All ages.
- [The Junior Disease Detectives: Operation Outbreak Graphic Novel](#)
(<http://bit.ly/2MmN0Wt>)
Created by 4-H, NIFA, USDA APHIS, CDC
Level: Middle and High School
- [This is How we “Role”](#) (<http://bit.ly/2IVKhUh>)
From the Purdue University College of Veterinary Medicine.
Level: K-4
- [Youth in Agriculture - Influenza and Zoonoses Education](#) (<http://bit.ly/2FCdOOo>)
One Health in Action Educational Program created by US Center for Disease Control and Prevention (CDC)
Level: K-12
- [Zika Communication Toolkit for Schools and Campers](#) (<http://bit.ly/2Nk9RIM>)
Center for Disease Control and Prevention
Level: K-12

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➤ **[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

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One Health Education