

# 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 for One Planet Education \(1HOPE\) Task Force](http://bit.ly/2Ld6lF4), (<http://bit.ly/2Ld6lF4>).

If you know of other primary/secondary One Health Educational Resources not yet listed here ..... please let us know. [cstroud@onehealthcommission.org](mailto: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, 7<sup>th</sup> 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, 7<sup>th</sup> 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, 7<sup>th</sup> 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

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](#).

- [Bat Rabies Educational materials](#)  
From: One Health Commission Bat Rabies Education Team (BRET)  
Level: All Ages, Free downloadable posters
  
- [Bats Rabies Workshop for 12-18 Year Olds](#)  
Developed by Lexi Peterman, student at Athens Drive Magnate School, Raleigh, North Carolina, USA
  
- [Be a Zoonotic Disease Detective](#) (<http://bit.ly/2MKzSp5>)  
From Georgia 4-H, U.S. CDC and USDA APHIS  
Level: Grades 4-12
  
- [e-Bugs: Educating young people about microbes and antimicrobial resistance](#)  
Created by Public Health England (PHE), e-Bug aims to reduce antibiotic resistance by helping children and young people understand infections and antibiotic use. Free to the world, available in 22 languages, operating in 26 countries worldwide, this website is rich with resources for teachers and students, including peer to peer student education. Be sure to check out the games.  
<https://e-bug.eu/>
  
- [Epidemiologists: Disease Detectives](#) (<http://bit.ly/2IPQvOm>)  
From PBS Learning Media and WGBH  
Level: High School
  
- [Health for One, One Health for All](#) (<http://bit.ly/2tMGw7R>)  
From the Michigan State Extension 4-H Animal Science Anywhere Program.  
Level: General Elementary
  
- [Healthy Pets, Healthy People Program](#) (<http://bit.ly/2MpUp3H>)  
All ages. Educational fliers created by US Center for Disease Control and Prevention (CDC)
  - [CDC Educational Materials](#) (<http://bit.ly/2WW52PA>)
  - [Stay Healthy Around Pets and Farm Animals](#) (<http://bit.ly/2DOxlsZ>)
  - [Stay Healthy Around Small Pets](#) (<http://bit.ly/2FQzzt2>)
  
- [Influenza Education Among Youth in Agriculture](#) (<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>)  
Click on the small arrow to the left to access descriptions and links to the Resources  
Level: All ages

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- [K-12 One Health Workshops](https://bit.ly/2mIJVJY) (https://bit.ly/2mIJVJY)  
Lesson plans developed by the International Veterinary Students Association (IVSA) Standing Committee on Veterinary Education (SCOVE). Also listed individually below on this page.
- [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)
- [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)
- [Responsible Pet Ownership – 7-12 Year Olds](#)  
Created by the International Veterinary Student Association (IVSA) Standing Committee on Veterinary Education (SCoVE)
  - [Responsible Pet Ownership, 7-12 Year Olds \(PPT\)](#)
  - [Responsible Pet Ownership, 7-12 Year Olds \(Workshop Plan\)](#)
- [Outwitting Nature’s Greatest Killer](http://bit.ly/2KKOUv1) (http://bit.ly/2KKOUv1)  
From the Pulitzer Center Lesson Builder;  
Level: Elementary and Middle School
- [Safer Farm Animal Contact Exhibits \(Safer FACES\) Training Program](https://www.health.state.mn.us/saferfaces)  
https://www.health.state.mn.us/saferfaces  
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.

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- [Soil Pollution in China](http://bit.ly/2u1fj0y) (http://bit.ly/2u1fj0y)  
From the Pulitzer Center Lesson Builder  
Level: K-12
- [Solve the Outbreak](http://bit.ly/2MJ4MP6) (http://bit.ly/2MJ4MP6)  
An interactive activity from the US Center for Disease Control and Prevention (CDC).  
Middle and High School
- [The Junior Disease Detectives: Operation Outbreak Graphic Novel](http://bit.ly/2MmN0Wt)  
(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) (http://bit.ly/2IVKhUh)  
From the Purdue University College of Veterinary Medicine.  
Level: K-4
- [Tick Borne Disease Curriculum](https://tinyurl.com/yhcqtnao) (https://tinyurl.com/yhcqtnao)  
Kansas State University Biosecurity Research Institute  
Level: Middle and High School
- [US CDC Free One Health Graphics](#)
- [Youth in Agriculture - Influenza and Zoonoses Education](http://bit.ly/2FCdOOo) (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) (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

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