

One Health & The Pandemic Response

Dr. Deborah Thomson, DVM
Founder and President of
One Health Lessons







23



Chico airport, near Paradise (2018)





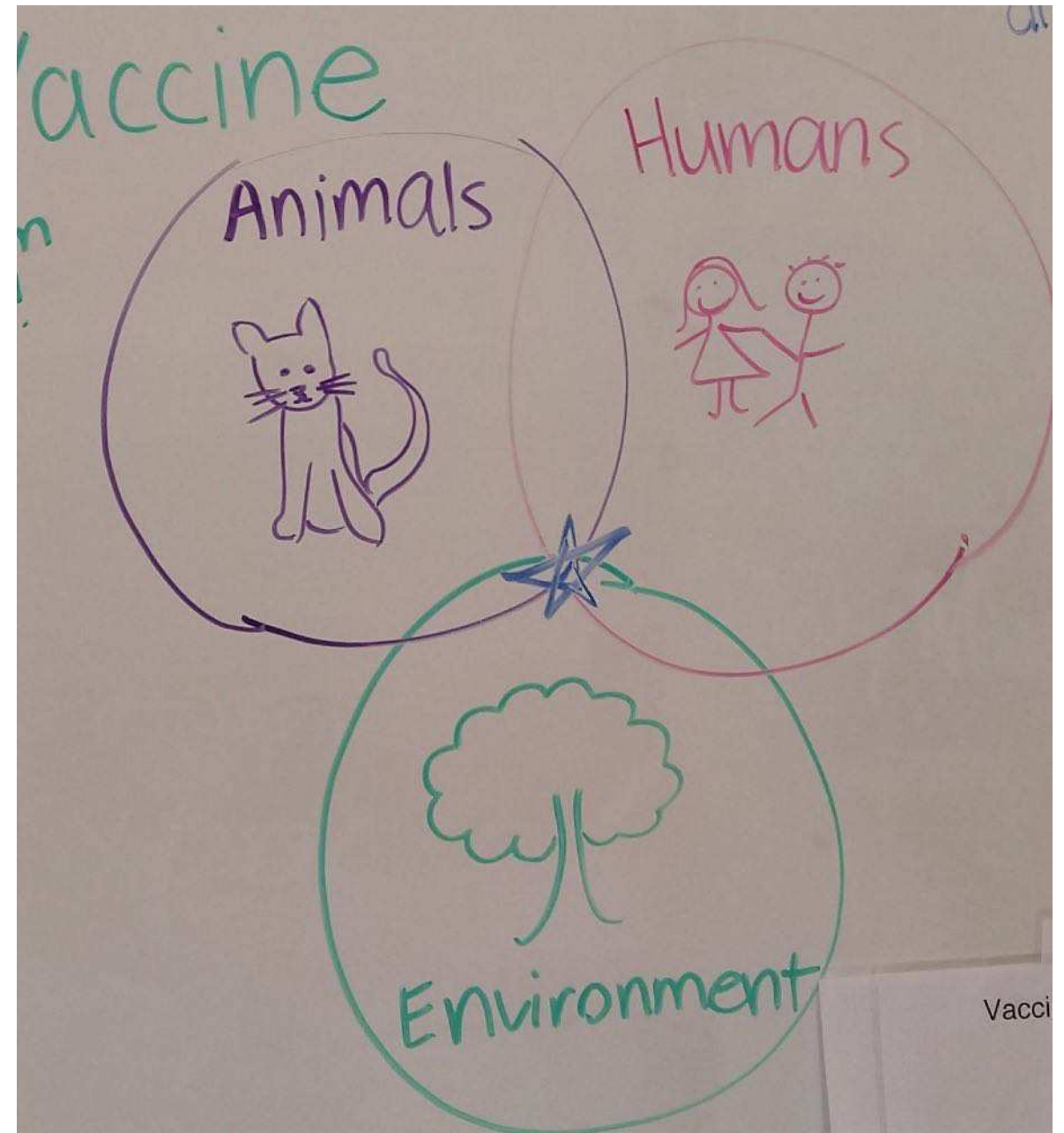


The power of stories



WHAT IS ONE HEALTH?

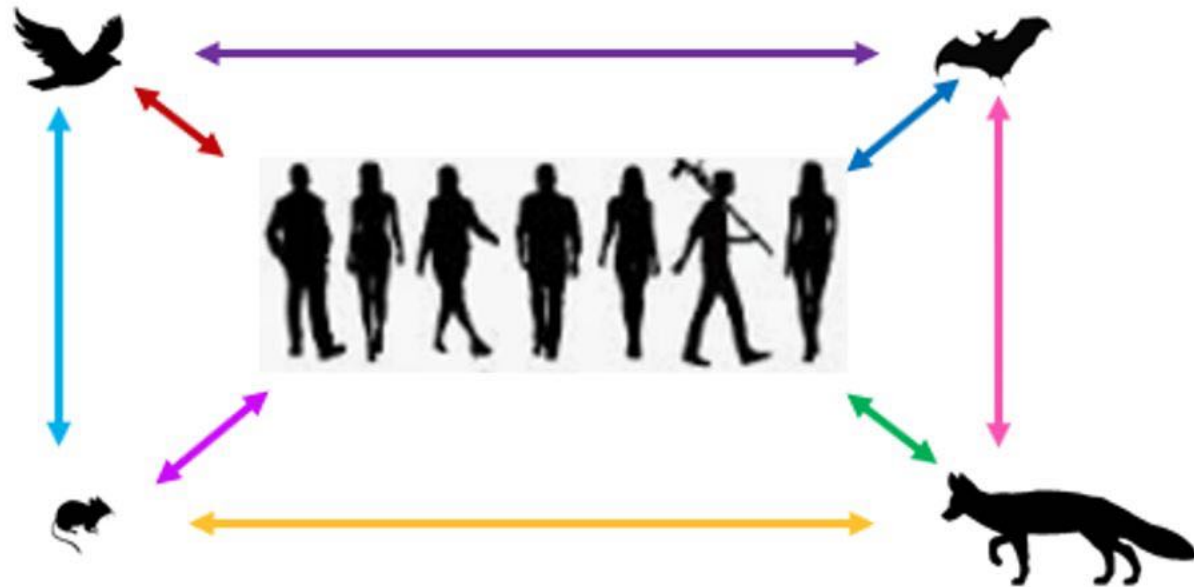
- Teamwork between people who care for our health, and the health of the environment, animals, and plants.



Thoughts on zoonotic origins of SARS-CoV-2

What is a “Zoonotic Disease”?

A disease
that
jumps
between
different
species.



Examples: Novel Coronavirus, Rabies, (sometimes) Flu

Thoughts on zoonotic origins of SARS-CoV-2

Journal List > Viruses > v.11(3); 2019 Mar > PMC6466186



viruses



[Viruses](#). 2019 Mar; 11(3): 210.

Published online 2019 Mar 2. doi: [10.3390/v11030210](https://doi.org/10.3390/v11030210)

PMCID: PMC6466186

PMID: [30832341](https://pubmed.ncbi.nlm.nih.gov/30832341/)

Bat Coronaviruses in China

[Yi Fan](#),^{1,2} [Kai Zhao](#),^{1,2} [Zheng-Li Shi](#),^{1,2} and [Peng Zhou](#)^{1,2,*}

Thoughts on zoonotic origins of SARS-CoV-2



Biosafety and Health
Volume 10, Issue 2, September 2019, Pages 14-90



Human-animal interactions and bat coronavirus spillover potential among rural residents in Southern China

Hongying Li ^{a, f}, Emma Mendelsohn ^a, Chen Zong ^b, Wei Zhang ^c, Emily Hagan ^a, Ning Wang ^c, Shiyue Li ^d, Hong Yan ^d, Huimin Huang ^d, Guangjian Zhu ^a, Noam Ross ^a, Aleksei Chmura ^a, Philip Terry ^e, Mark Fielder ^f, Maureen Miller ^g, Zhengli Shi ^c ✉, Peter Daszak ^a ✉

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<https://doi.org/10.1016/j.bsheal.2019.10.004>

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**Remember:
Bats are really important!!!**



One Health



One Health



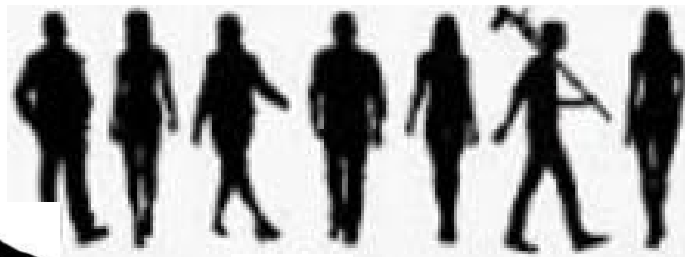
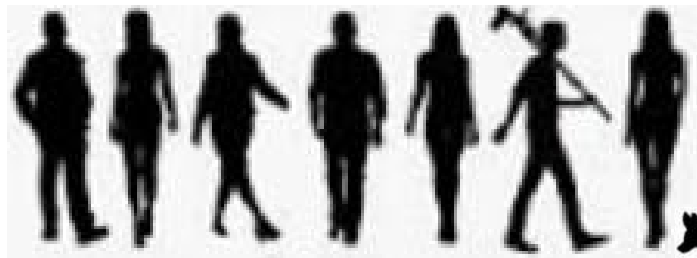
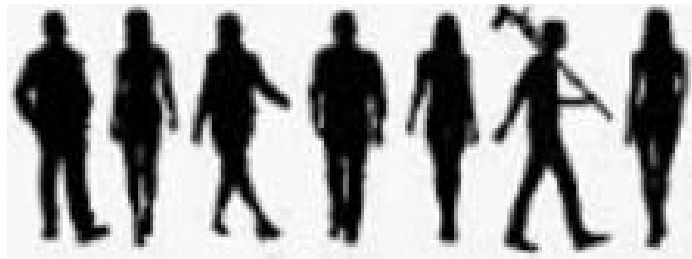
**Remember:
Bats are really important!!!**



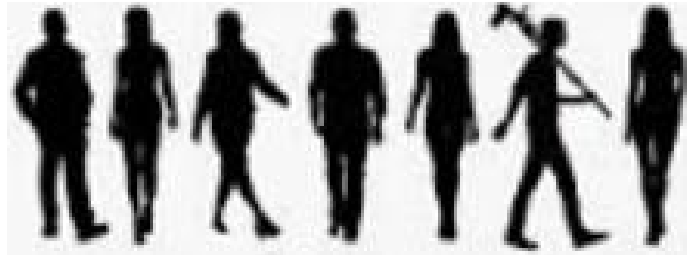
One Health



One Health



One Health



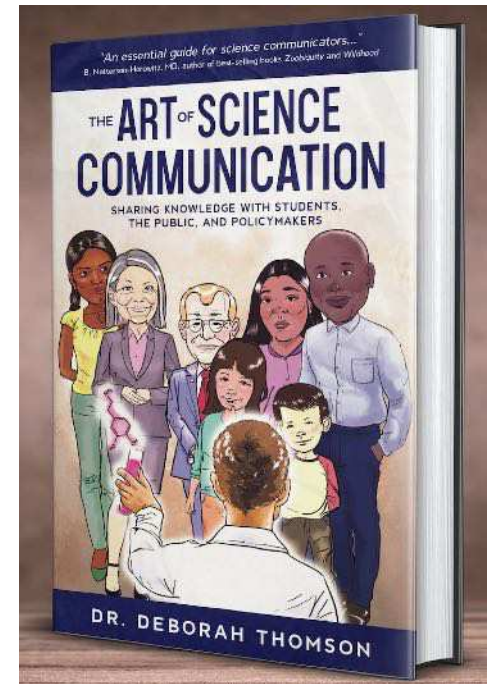
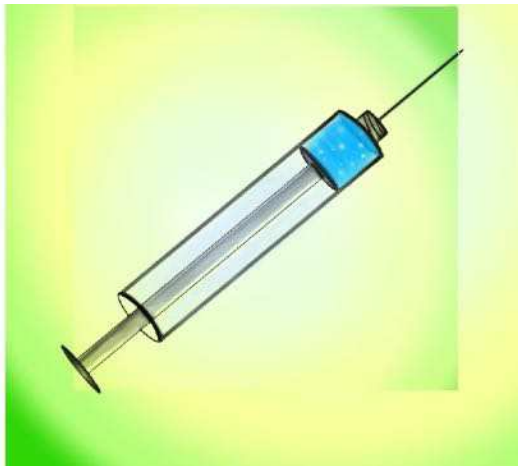
One Health

**Remember:
Bats are really important!!!**

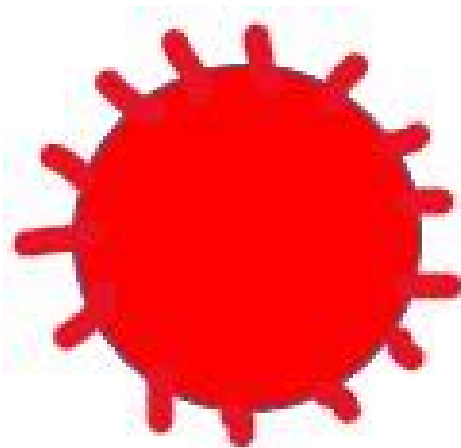


My fears re: public health response

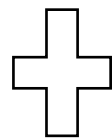
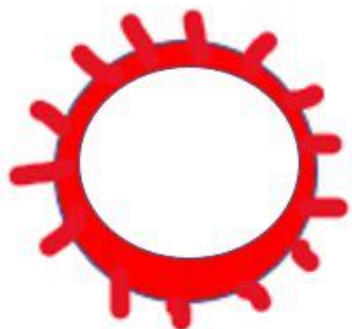
Lack of public and child education!!



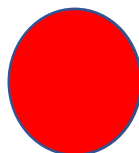
Virus

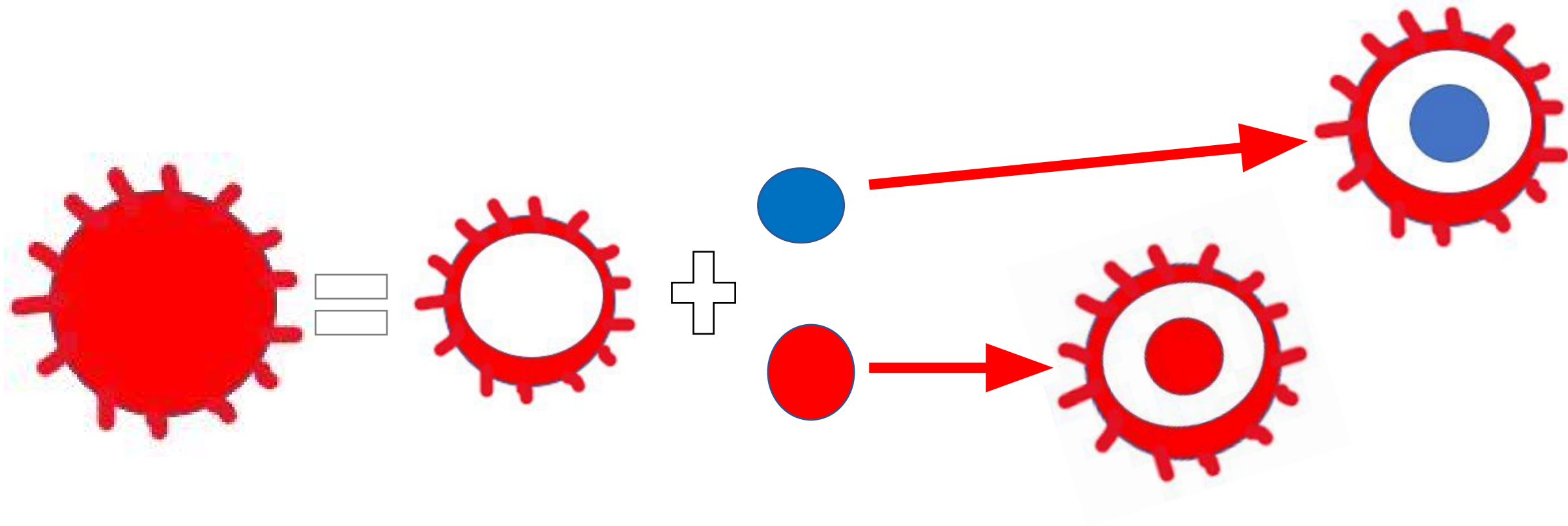


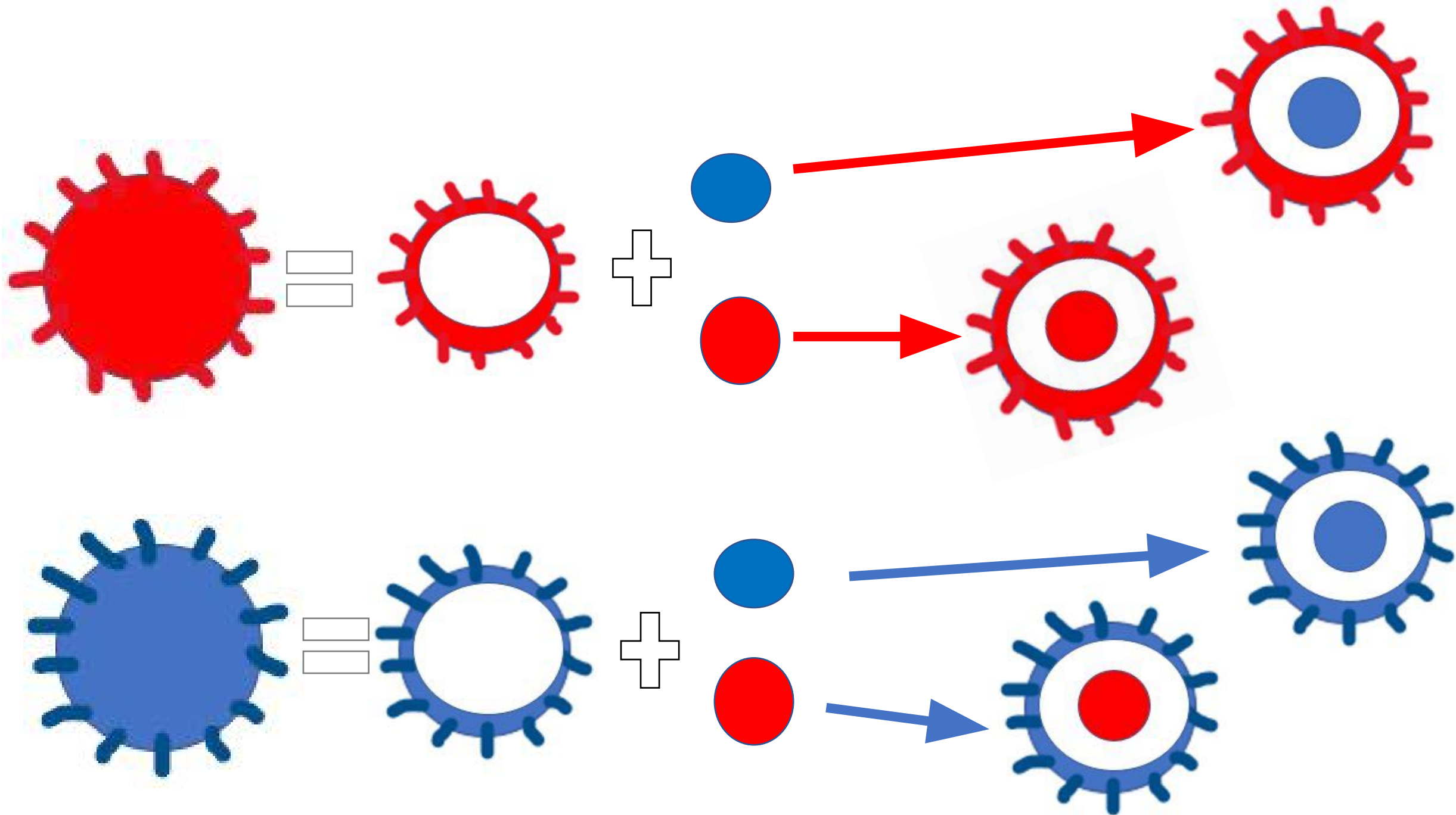
Shell



Core

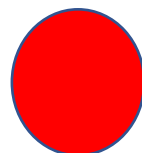
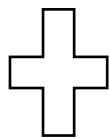
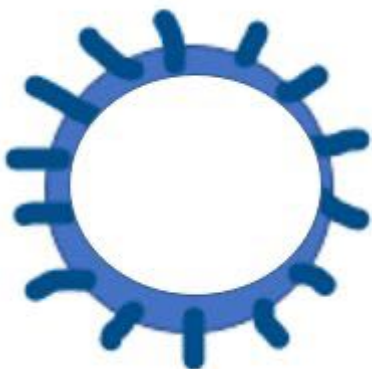
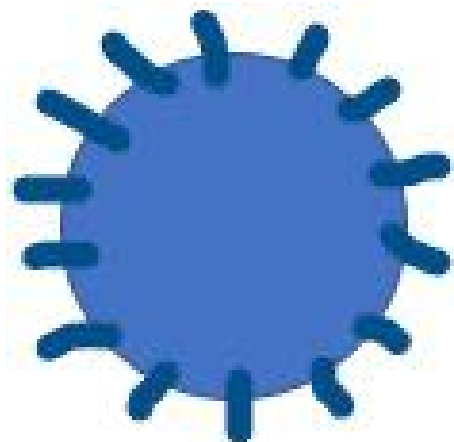
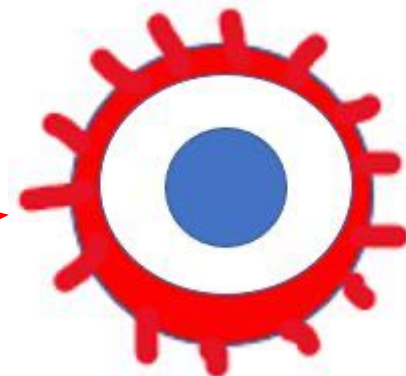
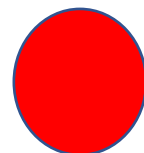
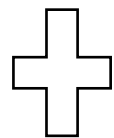
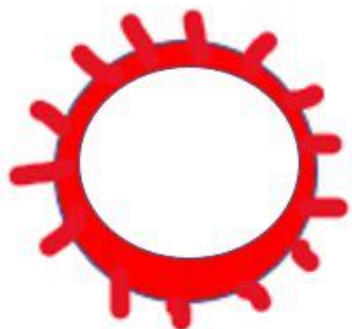
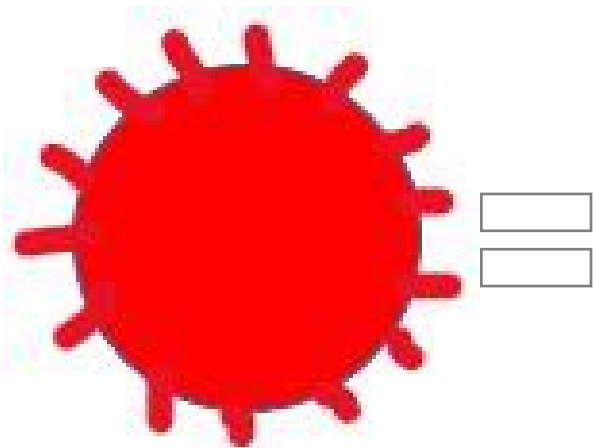






Infection

Replication



Opportunity* to improve your communication & leadership skills...



- And gain TOUCH hours!



Lesson Leaders Program

With One Health Lessons





Step 1:

Attend a 1-hour online training session.



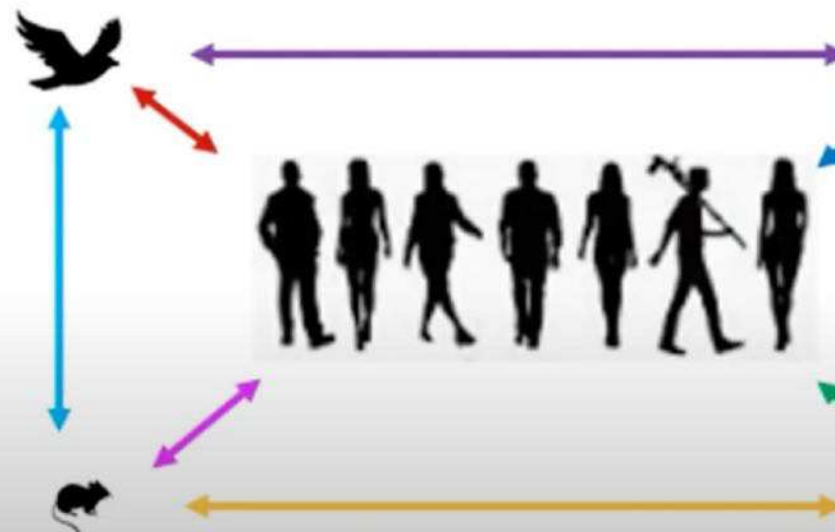


Step 2:

Watch an entire One Health lesson on YouTube.

What is a “Zoonotic Disease”?

A disease
that
jumps
between
different
species.



Examples: Novel Coronavirus, Rabies, (sometimes) Flu





Step 3:

Observe a live One Health lesson.

**What is
“One Health”?**

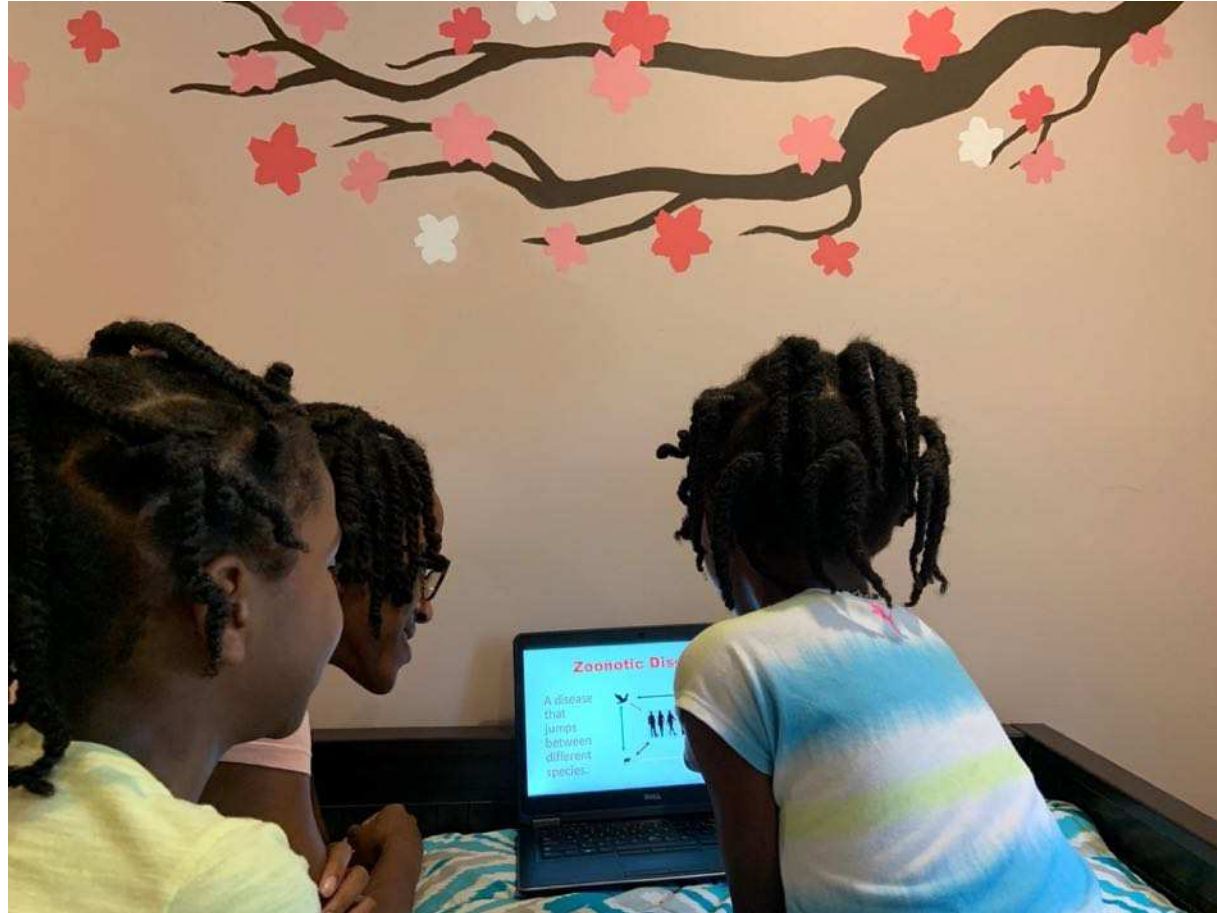
The connection between:

- Animal Health
- Human Health
- Environmental Health





Step 4: Teach a One Health lesson.





Step 5:

Bring One Health Lessons home.

Français

Español

Română

Português

Català

Italiano

Deutsche

Yoruba

Igala

Hausa

Ebira

Igbo

Ibibio

አማርኛ

हिन्दी

தமிழ்

മലയാളം اردو

ಕನ್ನಡ

मराठी

অসমীয়া

नेपाली

粵語

普通话

فارسی

русский

Türkçe

Hrvatski

عربی

বাংলা

Bahasa

Slovenský

Afrikaans

Luganda

Dansk

עברית

Kichwa

日本語

Luganda

Chichewa

Kiswahili

Kalenjin



Step 6:

Teach others in your community how to teach.





Charles

One Health Lessons Ambassador

How to become a volunteer Lesson Leader

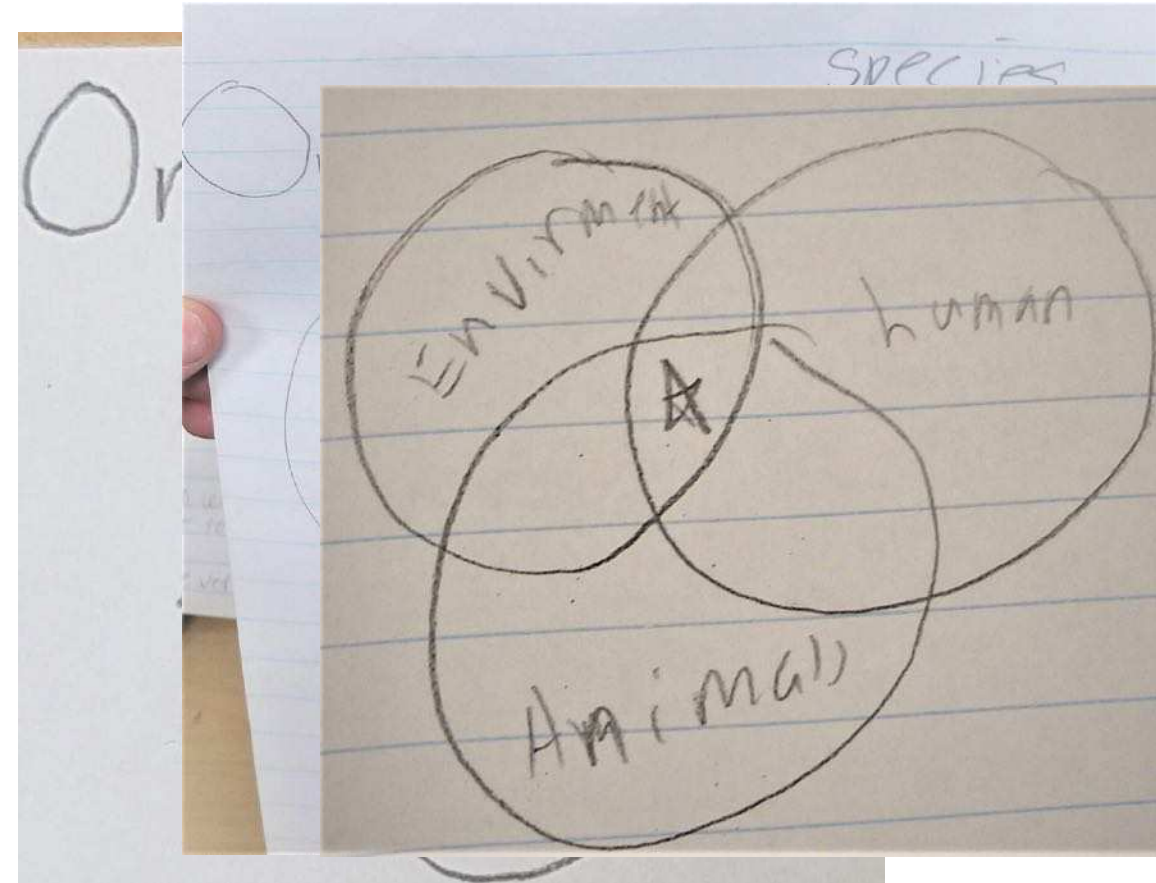
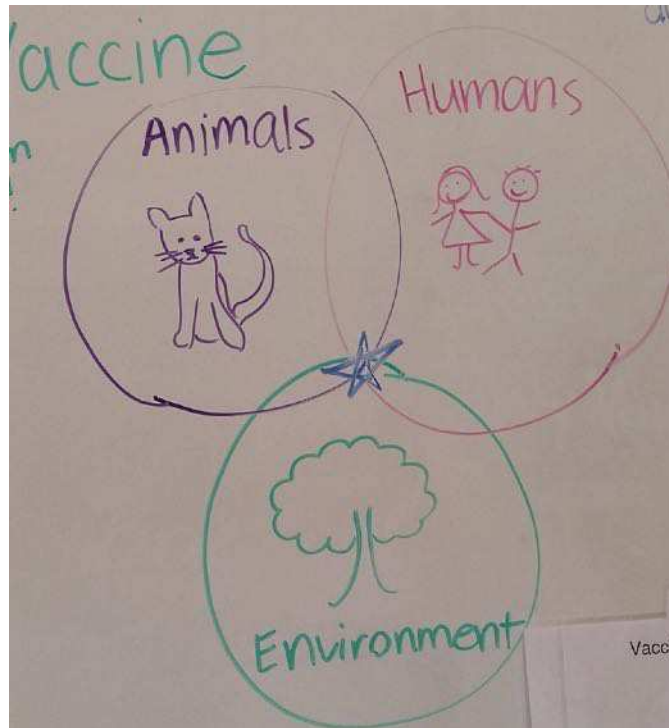
Send an email expressing your interest to:

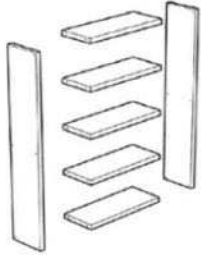
LessonLeadersProgram@gmail.com



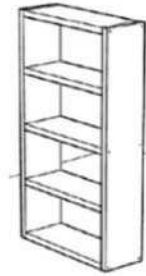
www.OneHealthLessons.com

Lessons from the Classroom





Lost in Translation



1. I describe changes seen off camera and explain them to you.
2. You try to imitate what I am explaining.
3. We check and see if our communication (like translation) is clear or if there is a mutation!

meet.google.com is sharing your screen. Stop sharing Hide



Awareness: Earth day



Awareness:

Yale Center on Climate Change and Health

Yale School of Public Health / Climate Change and Health



One Health Awareness Month: Social Media Campaign



Karen Nyberg, NASA Astronaut

"In the future, I would like to be more of an advocate for animal conservation. Every single part of the Earth reacts with every other part. It's one thing. Every little animal is important in that ecosystem.

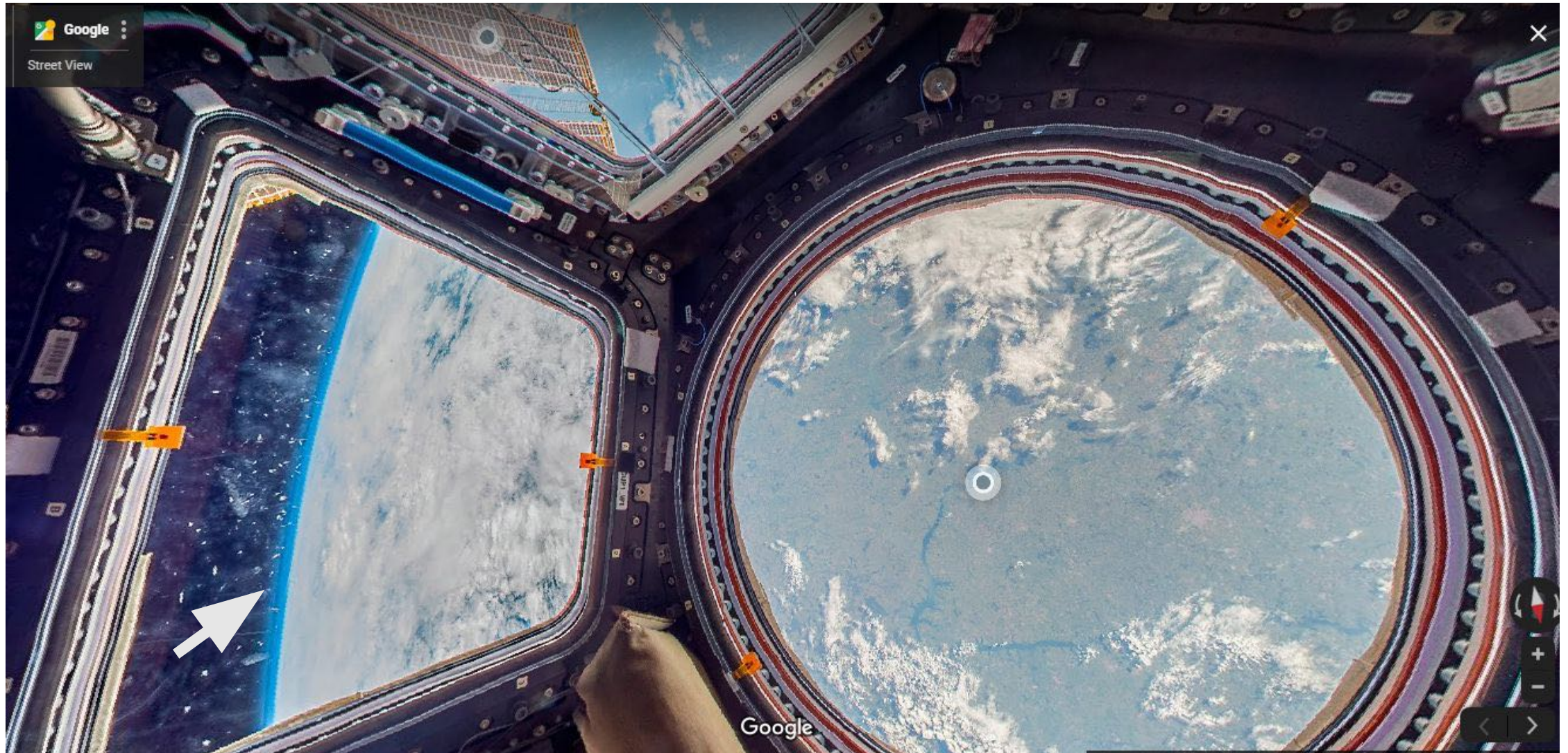
[Seeing the planet from above] makes you realize that, and makes you want to be a little more proactive in keeping it that way.

If I could get every Earthling to do one circle of the Earth, I think things would run a little differently."

(a mechanical engineer)

– Karen Nyberg

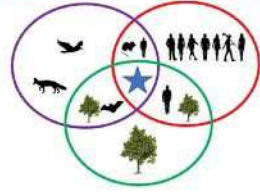
What we depend on





The Future of One Health is Global

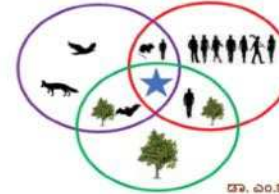
Pandemia:
Un Mundo - Una Salud



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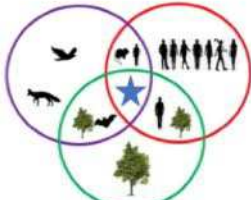
ಸೌಲಭ್ಯ
ಒಂದು ಜಗತ್ತು - ಒಂದು ಆರೋಗ್ಯ



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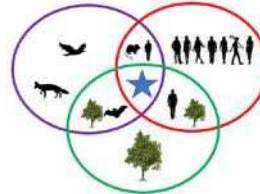
ಡಾ. ಎಂ.ಜಿ.ಸಿ.ಸಿ.ಸಿ. ಮತ್ತು ಡಾ.ವಿ.ಸಿ.ಸಿ.ಸಿ.

**ஒரு உலகம் ஒரு
ஆரோக்கியம்**



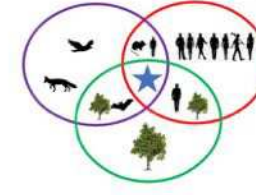
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Outbreak:
One World - One Health



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Pandémie :
Un Monde - Une Seule Santé



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Brote:
Un Mundo - Una Salud



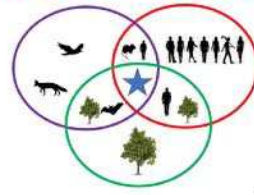
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Salgın:
Tek Dünya - Tek Sağlık



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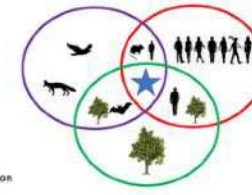
Àjàkálè-àrùn:
Ayé kan - Ìlera kan



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Hafeez Ioluwale Akinniyi

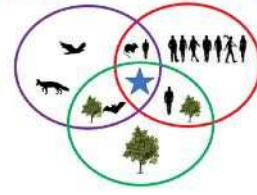
Epidemia:
Un solo mondo - Una sola salute



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Surto:
Um Mundo - Uma Saúde



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One Medicine Pre-Event Survey with One Health Lessons

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