



While We Wait – Workshop Zoom Settings

- Set your view settings to “Speaker View” to better see who is talking
- Keep your microphone muted (camera optional) outside of breakout rooms.
- **Please change your name on zoom to (link to directions in chat):
Name_Level (ES,MS,HS)**
- **Feel free to use the chat to let us know:**
 - where you’re joining from

The Meeting will begin at 3:02 PM PST



Oregon State University
Precollege Programs



Zoom Community Agreements

We recognize that the virtual world presents new challenges. In order to do our best to maintain a space of inclusivity, productivity, and respect, we ask that we all agree to the following:

- Chat is open for questions, comments, and concerns, but all communication must be respectful.
- Keep your microphone muted outside of breakout rooms.
- Be patient and understanding with others regarding technology. We all have varying levels of access to and familiarity with technological resources.
- We acknowledge you likely are working from home.

Anyone who violates the agreements or otherwise disrupts our Zoom community will be removed by our moderator.



Zoom Community Agreements: Breakouts

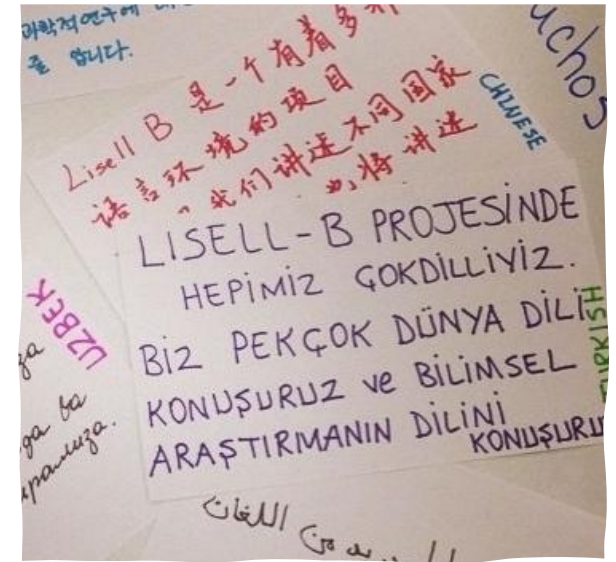
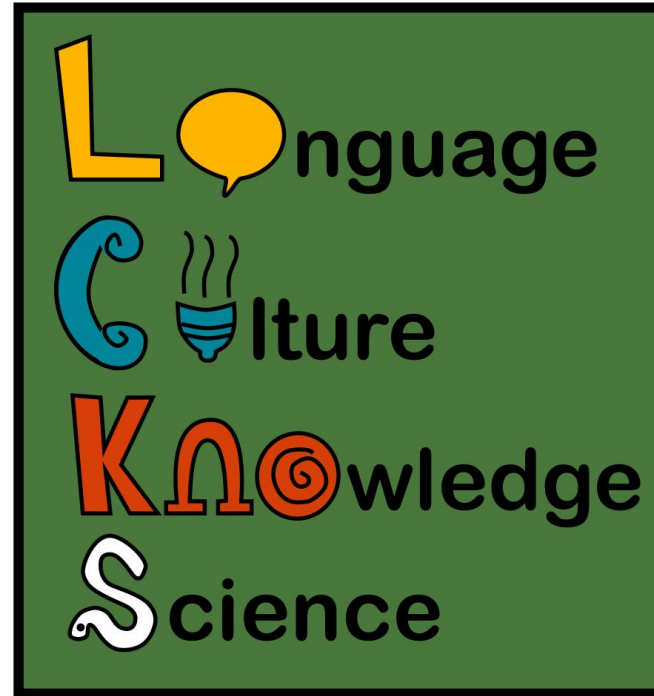
- Join your breakout room when prompted
- Remain in your breakout room during end countdown. You will be automatically brought back to the main session.
- Share without expectations. What works for one may not necessarily work for others.
- Stories stay, lessons leave. Don't distribute what you heard from someone unless you have permission to do so.



Infectious Diseases & Vaccines

Cory Buxton, Diana Crespo & Barbara Ettenauer, OSU College of Education
Jay Well, OSU Precollege Programs

LaCuKnoS: Language, Culture and Knowledge building through Science



LaCuKnoS project goals

- Making the role of language in science learning explicit & conscious;
- Fostering cultural & community connections to support students' science interests and identities;
- Providing opportunities for students to build relationships among science ideas and to consider how science knowledge comes to be accepted (or not) over time.



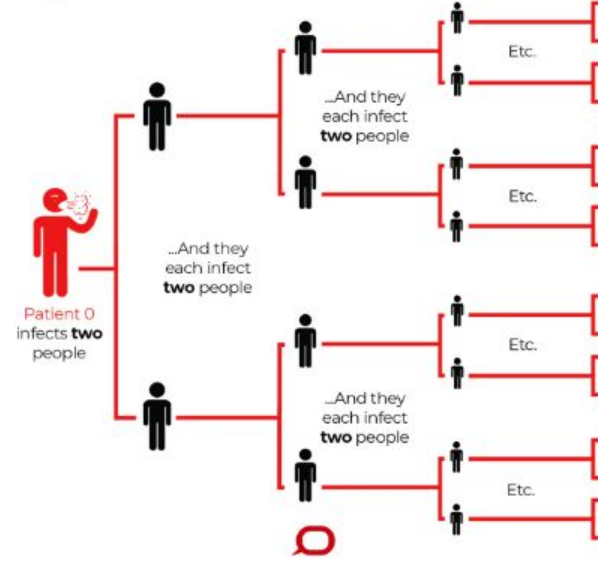
Teaching through Socio-scientific Issues (SSI)

- As teachers, we know the importance of connecting new concepts to students' prior knowledge and connecting students' in-school experiences with their out of school lives, interests, and concerns.
- **But** we may struggle to do this consistently and strategically.
- SSIs focus on complex societal issues that require both science knowledge & social understanding.
- These issues can support students' development of reasoning competencies, content knowledge, and disciplinary practices while also supporting socio-emotional learning.
- We will use 2 model lessons about infectious diseases & vaccines to explore this idea.





How a virus with a reproduction number (R_0) of 2 spreads

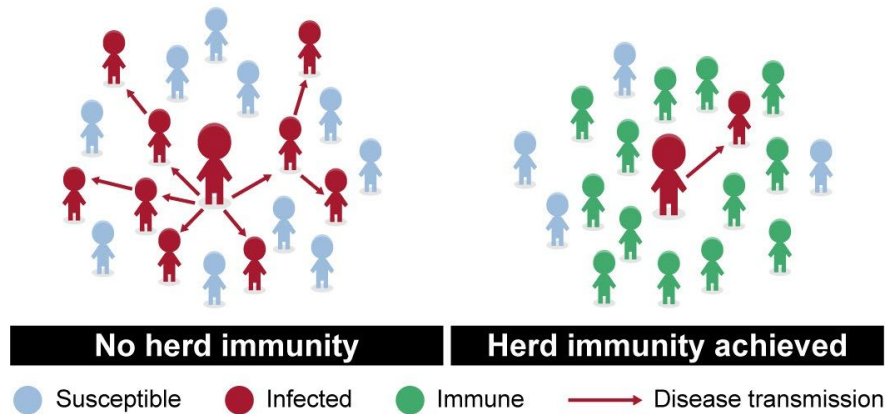


Model Activity 1: Spreading Infectious Diseases

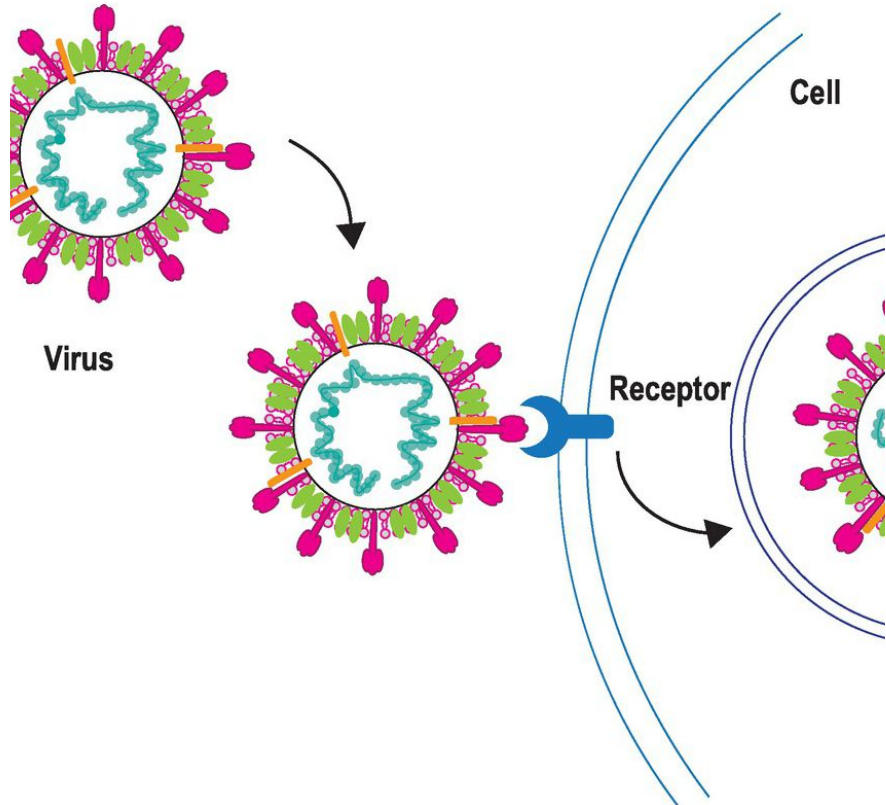


Break Out Groups

- How did this lesson make language use explicit and conscious?
- How did this lesson make cultural and community connections?
- How did this lesson support building both science knowledge and social understanding?
- What adaptations would you make in order to use this lesson?

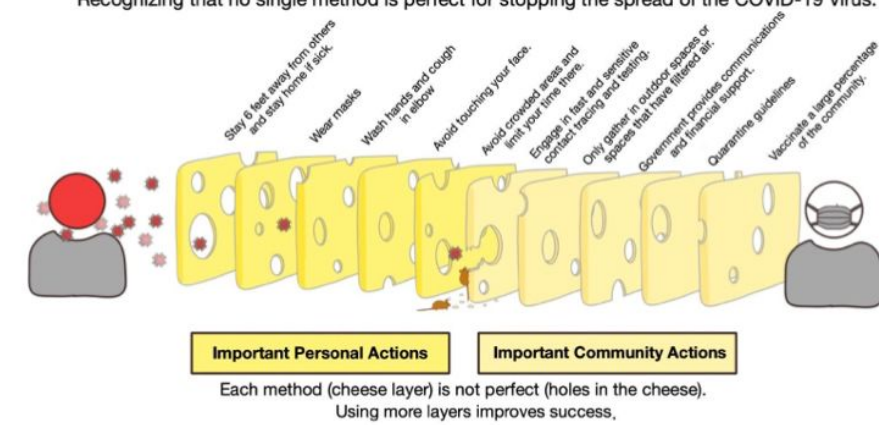


Source: GAO adaptation of NIH graphic. | GAO-20-646SP



Swiss Cheese Model

The Swiss Cheese COVID-19 Virus Pandemic Defense Model
Recognizing that no single method is perfect for stopping the spread of the COVID-19 Virus.



Adapted from I
Virologydov

Model Activity 2: Vaccines & Protecting our Communities

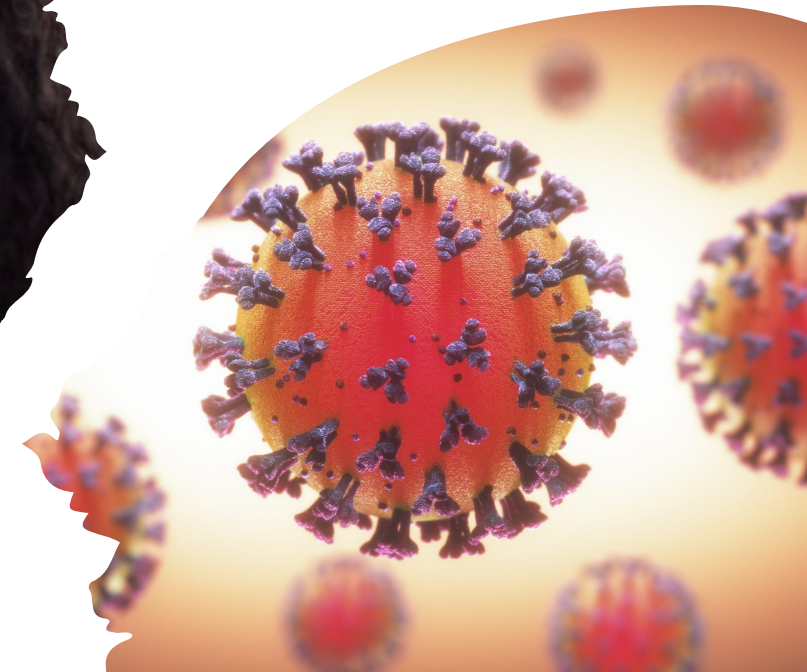
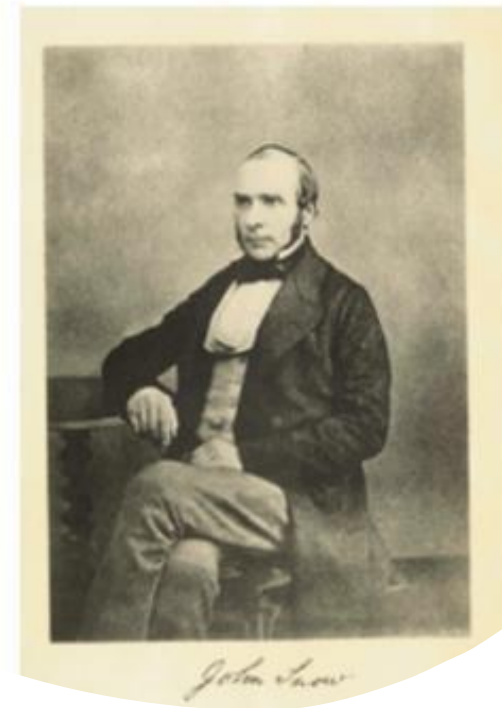
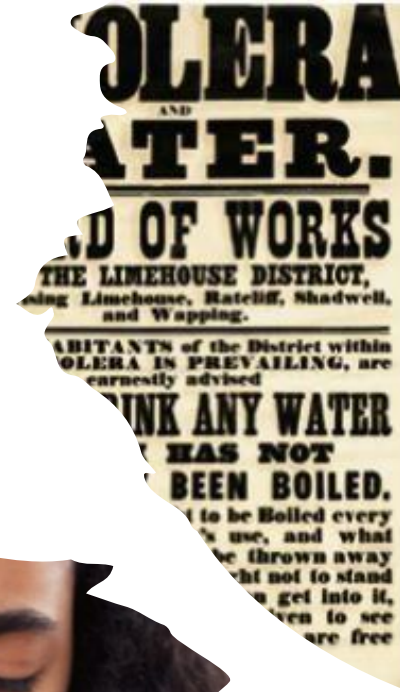


Break Out Groups

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Reflecting and Connecting

- What thoughts do you have about how you can make use of these lessons?
- What other topics or concepts would you like to see us develop similar kinds of lessons for?
- Please take 5 minutes to give us feedback on how useful this PD was and how we can improve. (link in chat)
- <https://survey.alchemer.com/s3/6379794/LaCuKnoS-Professional-Development-Evaluation>



Thank you for attending



- Next Steps
 - For lesson questions or materials contact smileprogram@oregonstate.edu
- Ways to stay involved
- Future professional development sessions
- Questions?