
EPISODE 10:
Coronavirus Special

CHAPTER 1:
Coronavirus:
What We Have Learned
Since March, 2020

Originally Aired:
3/25/2020



TERM TO KNOW—Zoonosis

Diseases or infections that spread from animal species to humans.

Many viruses are able to jump from animals (domestic, agricultural, or wild) to humans with 200 known examples.



FOR DISCUSSION

This episode features images of empty European cities during the world's first lockdowns to prevent the spread of the Coronavirus and avoid overwhelming hospitals. Invite students to discuss or reflect in writing about the following prompt:

- What images and news reports do you remember about the earliest lockdowns in Asia and Europe? What vocabulary or terms became frequently used? What did it feel like to follow the news during this period?



INVESTIGATIVE QUESTION

Examine the [infographic](#) from the Centers for Disease Control and Prevention (CDC) about zoonosis. Select one of the depicted animals and research what disease or infection can spread from that animal to humans. (If you select the bat, you must research something before 2020.)

Sources: "One Health Graphics," *Centers for Disease Control and Prevention*, www.cdc.gov/onehealth/resource-library/one-health-graphics.html. Accessed 12 November 2020.

"Zoonoses," *World Health Organization*, 29 July 2020, www.who.int/news-room/fact-sheets/detail/zoonoses#:~:text=A%20zoonosis%20is%20any%20disease,or%20may%20involve%20unconventional%20agents. Accessed 12 November 2020.

EPISODE 10:
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CHAPTER 2:
Coronavirus:
Handwashing.
Now More Than Ever.

Originally Aired:
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TERM TO KNOW—*Quarantine*

Period of isolation after possible exposure to an infectious disease.

During the early months of the Coronavirus pandemic, people who may have been exposed to the virus were required to quarantine, and many states imposed a quarantine for travelers arriving from areas with high virus rates.

The term comes from the Middle Ages when Europeans were fearful of the Bubonic Plague, also known as the Black Death. Ships entering Venetian controlled ports were required to wait 30 days, or *trentino* in Italian, as a measure to control the virus. Like a virus, this practice spread to other cities, and the requirement increased to 40 days or *quarantino* in Italian.



FOR DISCUSSION

In this segment, My World host Radzi Chinyanganya demonstrates an effective method for washing hands. Consider what it takes to practice basic hygiene: access to clean water and soap. Direct students to discuss or reflect in writing, how and where hand washing may be difficult to practice.



ACTION ITEM

Three billion people do not have access to clean water. Examine globalhandwashing.org's [information sheet](#) about the broad benefits of hand washing on general health, and the challenges of access to clean water in health care centers, schools, and homes throughout the world.

Through social media and conversations with your friends and family, raise awareness about how the simple act of washing hands is difficult for many people around the world. Using this [infographic](#) from the United Nations can help to visualize the issue and start conversations.

Sources: Mayer, Johanna, "The Origin Of The Word 'Quarantine'," *Science Friday: Science Diction*, 13 March 2020, www.sciencefriday.com/articles/the-origin-of-the-word-quarantine/. Accessed 27 September 2020.

"Ensure availability and sustainable management of water and sanitation for all," *UN Sustainable Development Goals*, www.un.org/sustainabledevelopment/wp-content/uploads/2019/07/E_Infographic_06.pdf. Accessed 27 September 2020.

"What does 'Hand Hygiene for All' mean? *Global Hand Washing Day Fact Sheet*, globalhandwashing.org, globalhandwashing.org/wp-content/uploads/2020/09/GHD-2020-Fact-Sheet-Final.pdf. Accessed 27 September 2020.

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CHAPTER 3:
Coronavirus:
Tracking A Vaccine

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TERM TO KNOW—*Germ Theory*

The biological theory that infectious (contagious) diseases are caused by an invasion of microorganisms.

These microscopic particles (which include viruses) replicate and spread.



FOR DISCUSSION

In this segment, we learned that the Coronavirus is a virus and not a type of bacteria and therefore, cannot be cured. However, like other viruses such as smallpox and polio, a vaccine could provide antibodies or protection against Coronavirus. This would help to prevent the virus from spreading.

Prompt students to discuss or reflect in writing what are the challenges in developing an effective vaccine.



INVESTIGATIVE QUESTION

Go online and research the advances that have been made in developing a vaccine for the Coronavirus. Explain how it will work, and the challenges of how it should be distributed.

EPIISODE 10:
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CHAPTER 4:
Coronavirus:
Highlights of Kindness

Originally Aired:
3/25/2020



TERM TO KNOW—*Benevolence*

Expressing kindness, or an act of kindness.



FOR DISCUSSION

Despite the uncertainty and suffering caused by the pandemic, there were many examples of benevolence. Invite students to discuss or reflect in writing acts of kindness that occurred in their community during the height of the Coronavirus pandemic.



ACTION ITEM

Just as viruses are contagious, benevolence or kindness can also spread. In the spirit of the people who looked out for each other during the Coronavirus lockdowns, decide as class what other acts you could do to continue to spread kindness.
