STEM Sites to Learn about COVID-19

Education Resources for Parents and Educators
How to spot COVID19 Misinformation. Time Magazine. 3/16/20.

Corona Virus Comic for Kids
Exploratorium (https://www.exploratorium.edu/learn) Younger Children

Computer Science Teachers Association has a ton of epidemic simulations (some made by K12 students), great resources on COVID-19 especially how computer science is used to fight the disease
  - Outbreak Squad Game: https://outbreaksquad.org
  - Scratch Epidemic Simulation: https://scratch.mit.edu/projects/376656449/

Soap and Sanitizers
- Video: How Soap Interacts with a Virus: https://www.exploratorium.edu/video/how-does-soap-inactivate-coronaviruses
- Chemistry of why soap kills viruses video: https://www.youtube.com/watch?v=-LKVKtUrhtvE
- How Hand Sanitizers attack viruses and bacteria and what’s in them. YouTube Video. PBS Studios. (3:21) Middle School-Adult

Products and Behaviors In the News
- Why Do People Hoard Toilet Paper? A Look At Irrational Behaviors In Uncertain Times. NPR Interview (7:02)
- How 3D Printers are Helping to Fight Corona Virus. The New Yorker. 3/31/20.
- MIT’s E-Vent Project to automate a manual resuscitator as a potential means for longer-term ventilation.
- Maker Community steps up to create medical supplies. Time. 4/1/20.

Viruses
- Video: How Big is a Virus. Exploratorium Video. : https://www.exploratorium.edu/video/how-big-virus?autoplay=true Elementary-Adult
• Where Do New Viruses Come From? Feb.27, 2020. YouTube Video. (10:09) Middle School/High School/College. There is more certainty now that the virus did not escape from a lab.
• Human impact on biodiversity loss may fuel future pandemics. ABC News. April 8, 2020

Infographics and Data
• New Mexico COVID19 Graphs from the Daily Lobo.
• Simulations of different responses and how they affect infection rates. Washington Post. 3/14/20.
• Projections of case peaking for each state and US from University of Washington. Institute for Health Metrics and Evaluation.
• Using cell phone and other data to track the health emergency progress. Vox. 3/26/20.
• Our World in Data has great graphs. Compare linear and exponential graphs to isolate growth rates independent of population size.
• Scientists have turned the structure of the coronavirus into music. The song could help researchers find a way to stop the virus. Science Magazine. April 3, 2020.

SOUTHWEST COVID19 Research
• UNM researchers work to find COVID-19 vaccine. Daily Lobo. 3/17/20
• Coronavirus Clinical Trials Launched at UNM Hospital. 3/30/20.
• Texas A&M researchers create DIY mask for hospitals. Dallas News. 4/1/20
• UNM mechanical engineers, biologists and mathematicians, and 3D printing network collaborate to make masks. Albuquerque Journal. 4/6/20.
• Professor, postdoc win pitch award for COVID-19 efforts. UNM.
• Old Paper Offers Fresh Insights on Disease. Albuquerque Journal. April 14, 2020