
COVID: Understanding how the COVID-19 Virus works

Big Ideas: Viruses, Antigens, Antibodies

Time	Task	Description	Needs
10 min	Myth or Fact	Students will vote on which of the “facts” about Corona are facts or Myths.	
5 min	Your Challenge: Protect Your Family	Directions: As scientists, our job is help our community stay healthy. Your job is to help everyone in your family learn about Viruses in order to keep everyone safe.	Have info in the worksheet and the slides
10 min	How is COVID Different Than a Cold?	Directions: We will watch a brief video about Viruses and will listen for answers for the following questions: (1) What is a Virus? (2) What are the parts of a Virus? (3) How does a Virus copy itself? (4) What is an Antigen? (5) What are antibodies? (6) What are Alveoli?	Have info in the worksheet and the slides
10 min	Discuss Questions	Student will share their answers	
10 min	VR Exploration	(LINK)	
10 min	Quick Read	Read the short text on viruses and antibodies	Have info in the worksheet and the slides
10 min	Explain it To me?	Directions: will write written explanations of each big idea.	
10 min	What’s wrong with this picture? Can you identify Myths now?	- Students will review myths and identify which are facts and which are myths.	Have info in the worksheet and the slides
10 min	Video Analysis	Watch video (1) What are 3 things your family needs to know? (2) How do we protect people (3) Who are most likely to get sick?	https://www.kqed.org/science/1963200/how-covid-19-attacks-your-lungs
10 min	Laboratory Introduction: Build a Model Build a Lung	There are two simple labs included	
10 min	Lab	Build a Model Build a Lung	

