



What is COVID 19?

- Supplies:**
- Printed sections of the SARS-COV-2 COVID-19 Coloring Book by Dr. Jean-Yves Sgro (examples included- many more available!)
 - Crayons, Markers, Colored Pencils
 - Optional: Internet Access to explore career and CDC recommendations

Age or Grade: All Ages

Time: 30 Minutes

Background: In 2020, we have had a new challenge because of new virus “SARS-COV-2” or COVID-19. The virus has caused many people to get sick, us to need to stay home, and make sure we are using good practices like washing our hands. One of the important things that many people in the medical field are doing right now, is trying to find ways to learn and fight the new virus. It takes people from many different jobs and careers to do this! Some jobs that are important to studying a new virus are researchers, biochemist, doctors, epidemiologist (doctor who studies diseases), computer scientist and graphic designers. Each job is very important. In this activity we are going to look at some of the models that are created by graphic designers and computer scientist for researchers and doctors to study the new virus!

Project Goal: Learn about the how art and science connect through exploring and coloring models of viruses.

- What to Do:**
1. Look at each of the different images of the SARS-COV-2 models in the packet.
 2. Talk with your family about how you think the models are made, and why they are important.
 3. Color the models, thinking through what would be important when coloring the models.
 4. Use the reflection and application questions to think through why models are important for new viruses and careers linked to creating models and research around new viruses.

- Reflect:**
1. What did you see when you look at the models of the virus?
 2. Can you see different parts of the virus?
 3. What jobs do you think would want to look at models of the virus?
 4. Why is this important to all of us?

- Apply:**
1. What other models could we use to help with fighting viruses like COVID-19?
 2. Why is it important to learn about new viruses? How does it help us in the future?





Virginia 4-H STEM @ Home Activity

**Notes for
Parents or
Helpers:**

Use the information below for more information on COVID-19 and careers related to the virus:

https://static-bcrf.biochem.wisc.edu/tutorials/booklets/SARS-COV-2_COVID-19_A_Coloring_Book-v1.0.pdf

<https://kids.niehs.nih.gov/topics/how-science-works/index.htm>

<https://www.cdc.gov/coronavirus/2019-ncov/index.html>

<http://www.vdh.virginia.gov/coronavirus/prevention-tips/>

Going Further:

To avoid spreading COVID-19, our leaders have recommended for people to temporarily avoid close contact with people outside of our homes and to stay at home when possible. Some people, such as the elderly or those with medical problems may need some extra help at this time. It is also very important for you and your family to stay healthy mentally and physically.

How can you help your family or people in your community at this time?

(Deliver groceries, pen pals with isolated elderly/those with medical conditions, sew masks, yard work/gardening to grow food, help with chores, etc.).

How have you been keeping your mind and body healthy during the outbreak?

(Exercise, mindfulness activities, yoga, relaxing activities like coloring!, call or write to friends and family)

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