My NASA Data - Mini Lesson/Activity

Systems and System Models: Observing Carbon Dioxide in the Atmosphere (Student Activity)

Student Directions

Review the video below and address the questions that follow.

Example Questions for Students:

1. Describe the phenomenon you observe.
2. What patterns do you see in this model?
3. How do Data Visualizers make this video? Where do these ideas come from?
4. What are the limits of this model?
5. How is this model precise? What benefits are there in using this model?
6. What scientific principles are guiding this phenomenon?
7. Predict the future of the phenomenon based on the model you've observed.
8. What evidence of Earth System interaction (among Atmosphere, Hydrosphere, Biosphere, Cryosphere, Geosphere) do you see?
9. What question would you like to research based on this model?
Teachers, these mini lessons/student activities are perfect "warm up" tasks that can be used as a hook, bellringer, exit slip, etc.

Teachers who are interested in receiving the answer key, please contact MND from your school email address at larc-mynasadata@mail.nasa.gov. We verify that requestors are teachers prior to sending access to the answer keys as we’ve had many students try to pass as teachers to gain access. To receive the keys please provide the following:

1. The link to the school/institution’s teacher directory where you are employed so we can verify that you are a teacher
2. Ensure that the school email address is provided in your response as we are unable to send to personal email accounts