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Data comes from a variety of sources.

Individuals can collect data at a local level or one point in time and then combine those observations/data to show data over time or over a larger spatial area.





We can also collect data with satellites which provide large areas of remotely sensed observations and can even provide global pictures of data/science phenomena.





We are going to collect some data today

With the piece of paper I am giving you:

1. Write your name on one side (I don't care which side)

2. Fold your paper once in half. Then fold it again. You should have four squares now.

3 Then number each hox: 1 2 3 4 (look at

2. Fold your paper once in nall. Then fold it again. You should have four squares now.
3. Then number each box: 1. 2. 3. 4. (look at the image).

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to start, I have a question: This or that?

If you had to choose one of these, which would you choose and why?





Go back to anytime into the past? Or 100 years into the future? (you are guaranteed safety in your time travels! you will survive and be able to come back!)

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This, or that?

Go back anytime into the past

Go 100 years into the future



Question 1: Do you think the world is getting better, getting worse, or staying the same?

Getting better Getting worse Overall the same asolis65 (pm)

Let's look at some objective data about the state of our world.







school every day?

By car - just your family - Orange By car - carpooling together with other students - Yellow By school or city bus - Light Green By bike - Dark green Walking - Blue







Symbols are an important part of maps and can represent a range of different types of data.

Symbols are described in a legend – a box or other place on the map where there is a key that says what each color of symbol means. Let's look at different ways we can represent data.



Question 3: Which of these topics are you most interested in learning more about?

Deforestation

leanning more about:

Deforestation Coral reef destruction Sea turtle species extinction Overpopulation World hunger Plastic pollution

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Please join me in Day 138 of Science to see these symbols up close.

 Google "skieslearn" to login today (Schoology link is not working)
 Vote for This or That
 Choose your symbol for Box #3



Question 4: On a scale of tiny to THE ENTIRE BOX: How worried are you about the environment on a regular basis?

DO NOT DRAW YELLOW MARKER OVER BLACK MARKER

(leave blank) = I don't really worry about this! (as tiny as you can draw) = I worry about this maybe once a month.

(medium-sized, about half of the size of the box) = I worry about this at least once per (medium-sized, about half of the size of the box) = I worry about this at least once per week!

(take up the whole box!) = I worry about this at least every other day! Aaaaaah! Let's figure this out now!





Each of your papers is one "post" of our fence.

When we put them all together we will get a data fence.

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Now, everyone in your row, group up and place your data "fenceposts" in a row all next to each other on the center table.

What "patterns" do you notice? What do the patterns tell us about our collected data? Do you think the patterns would be different in other locations/with other ages/more people?

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Now, everyone in your row, group up and place your data "fenceposts" in a row all next to each other on the center table.

1. "I notice that..."

- 2. "I think this data is telling us that..."
- 3. "I think the patterns would be different if..."





Thank you for being brave, being willing to share, and for making this class fun for me.

Your reward is to watch this cute puppy for 20 seconds.