

▶ How to write a script
that people will want to
listen to and that others
can deliver

best practices for creating narratives for docent-led Sphere programs

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Context



6 DEGREES OF CONNECTION: Understanding the Interconnectedness of Earth Systems

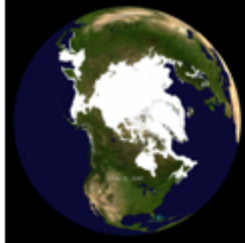
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Relevant topic



Make a script that is easy to use

Sea Ice Extent - 1978-2018 September only



(Note: This is referred to as a positive feedback loop since it pushes the phenomenon further in the same direction. The more ice melts, the more energy is absorbed, the warmer it gets, the more ice melts.)

Climate change not only threatens warm areas with coral reefs, but also some of the coldest places on Earth. We're viewing this dataset from the North Pole. For reference you can see the Alaska and the Great Lakes here.

(Use mouse/annotate feature to point out Alaska and the Great Lakes.)

This dataset shows the disappearance of the arctic sea ice over time. Only September extent is shown which is the minimum level each year. When sea ice melts, the Earth's surface changes from reflective white snow and ice to a dark ocean surface that absorbs the sun's energy, causing more warming and melting even more ice.

This is similar to how wearing a black shirt on a sunny summer day makes you hotter than wearing a white shirt. More dark ocean surface will result in warmer temperatures than reflective white ice.

Sea Level Rise: Impact of 6 m (red)



Sea level rise is another consequence of climate change. It results from melting glaciers on land. Also, since water expands as it gets warmer, the ocean will take up more space as its temperature rises. This dataset shows the sea level rising meter by meter from current sea level up to 6 meters above sea level with land that would be covered by water shaded red. Areas that we are familiar with, like Miami, Florida may end up completely underwater. Projections have estimated that Miami will be underwater sometime between 2060 and 2100 if climate

Utilize local university/college partners



Collaborate with others and experts



Practice with lots of diverse audiences



Test in other locations if possible



Have others deliver your script



Make it interactive



Get interns and volunteers to help with research and development



Get feedback

What do you think of this media program?

You are one of the first classes to see it. Your honest feedback will help!

Was the time of this program: too short just about right too long

How interesting were the following features of this Science On a Sphere presentation, in your opinion?

	Don't remember	Not very Interesting	Somewhat Interesting	Very Interesting
1. The Science On a Sphere projection technology	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. The '6 Degrees' theme	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. The example about Facebook friendships	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. The part about the sun, solar flares, Northern Lights and the ozone layer.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. The interactive activity where you worked in teams to figure out the order of steps in a chain of connections and where we talked about laws that help reduce toxic emissions from vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. The section, after the interactive activity, that talked about climate change, its causes and impacts; and waste and how your actions can help reduce the growth of garbage islands in the ocean	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Examples of careers in environmental and earth sciences	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. The questions that the facilitator asked your group	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Is there something else that you really liked about the concept or content of this program?

Summary

- ▶ Get lots of feedback!!!
- ▶ Enlist help from experts
- ▶ Practice, practice, practice
- ▶ Revise and test on repeat
- ▶ More hands, more collaboration



How do you develop new SOS programs?



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