

# Climate Change

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**SUBJECT**

Science

**TEACHER**

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**GRADE**

3<sup>rd</sup>

**DATE**

2/5/2018

**OVERVIEW**

Students will learn what global climate change is and conduct a research assignment to further their knowledge on the subject.

**PHASES**

**TEACHER GUIDE**

**STUDENT GUIDE**

PHASES	TEACHER GUIDE	STUDENT GUIDE
OBJECTIVES AND STANDARDS	<ul style="list-style-type: none"> <li>• Represent data in tables and graphical displays to describe typical weather conditions expected during a particular season.</li> <li>• Obtain and combine information to describe climates in different regions of the world.</li> </ul>	I can...
HOOK	<ul style="list-style-type: none"> <li>• Fill out a KWL chart based on climate change.</li> <li>• Show students the climate change basics video found on a student's guide to global climate change. Located on the epa.gov website.</li> </ul>	<ul style="list-style-type: none"> <li>• Students are watching video and taking notes on note taking sheet provided.</li> </ul>
INSTRUCTION	<ul style="list-style-type: none"> <li>• Facilitate collaborative discussion in regards to the video.</li> <li>• Introduce the sentence stem to help facilitate conversation.</li> <li>• Question: Why should we care about global climate change? Sentence frame.. "I think we should care about global climate change because _____"</li> </ul>	<ul style="list-style-type: none"> <li>• Students turn and talk with partners using sentence stems to guide conversation.</li> <li>• "I think we should care about global climate change because _____"</li> </ul>

**PHASES****TEACHER GUIDE****STUDENT GUIDE**

<b>PHASES</b>	<b>TEACHER GUIDE</b>	<b>STUDENT GUIDE</b>
ACTIVITY	<ul style="list-style-type: none"><li>• Activity #1 Greenhouse gas activity with mason jars. Observe the greenhouse affect in a jar – activity can be found on this website <a href="http://www.education.com/activity/article/Observe_Greenhouse_Effect/">www.education.com/activity/article/Observe_Greenhouse_Effect/</a></li><li>• Activity #2 – Students will participate in a partner research project. They will use the epa.gov website to choose a specific topic affected by global climate change. They will research and record more information on that topic.</li></ul>	<ul style="list-style-type: none"><li>• Observe activity with mason jars. Record on note sheet the two temperatures and write a prediction as to why they think the temperatures are so different.</li></ul>

# Be Part of the Solution!

The problem we are researching is \_\_\_\_\_.

1) Who is most affected?

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2) What should you do now?

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3) To prepare for the future...

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## Movie Note Sheet:

The earth gets heat from the \_\_\_\_\_. The earth's \_\_\_\_\_ traps and keep it from escaping back into outer space. People all over the world are adding extra \_\_\_\_\_ to the atmosphere. Today we burn fossil fuels like

\_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_.

People burn fossil fuels for many everyday activities such as \_\_\_\_\_.

All of this extra carbon dioxide is trapping more

\_\_\_\_\_ in the atmosphere making the earth

\_\_\_\_\_.

A couple signs of climate change are \_\_\_\_\_ and \_\_\_\_\_.

If the planet keeps getting warmer we can expect many

changes such as \_\_\_\_\_

and also more \_\_\_\_\_.

The good news is we can take actions such as

\_\_\_\_\_ or \_\_\_\_\_.

## **3...2...1 Video Watching Review:**

Tell me 3 things you learned

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Tell me 2 things you found interesting

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Tell me 1 question you still have

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