

# Climate Change Project

## 6th, 7th, 8th Grade



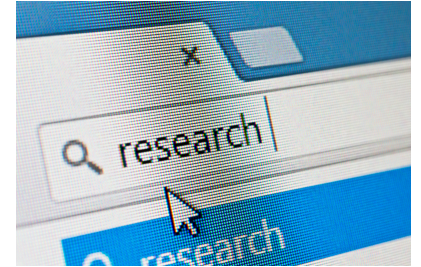
- ✓ Engaging Research Project
- ✓ Guided Research Process
- ✓ Develop Critical Thinking & Collaboration



Teach With  
Fergy

# Climate Change Project

- ✓ **Engaging Research Project** – Students investigate real-world climate change topics and develop research skills.
- ✓ **Multiple Presentation Formats** – Options include digital slideshows, poster boards, or news report videos.
- ✓ **Guided Research Process** – Includes structured worksheets, approved research sources, and teacher check-ins.
- ✓ **Critical Thinking & Collaboration** – Encourages teamwork, data analysis, and solution-based discussions.



# Climate Change Project

## Climate Change Project

Students will develop their research skills, apply these skills to investigate one aspect of climate change, and create a presentation to inform their classmates as well as improve their presentation skills.

### DAY 1: CHOOSING OUR FOCUS

Introduction (20 mins)

- Watch brief climate overview video

<https://teachwithferny.com/climate-overview/> or <https://www.youtube.com/watch?v=CeC88aesD7I>

- Introduce research topics
- Model research process
  - Show students how to research using 'The Research Process' presentation and worksheet

### Research Topics (Students choose one):

1. Weather vs. Climate
2. Polar Ice & Glaciers
3. Causes and Concerns
4. Extreme Weather Events
5. Ocean Sea Levels
6. The Danger for Coastal Communities
7. Loss of Biodiversity
8. Deforestation Impact
9. Drought and Forest Fires
10. Coral Reef Bleaching

### Research Planning (30 mins)

- Form research groups (2-3 students)
- Complete planning template
- Begin guided research

### DAY 2: GUIDED RESEARCH

Research Guidelines: Students must find

### Approved Research Sources:

- NASA Kids
- National Geographic Kids
- PBS Learning
- EPA Student Resources
- Provided textbook pages
- Classroom resource books

## Guided Research

### Planning Template:

|                                                                                                                                             |                                                                              |
|---------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|
| Topic Choice                                                                                                                                |                                                                              |
| Research Questions – write down three questions that relate to your topic. Circle the research question you want to answer in this project. | <ol style="list-style-type: none"> <li>1.</li> <li>2.</li> <li>3.</li> </ol> |
| Information sources – include all your sources of information – at least 3 sources.                                                         | <ol style="list-style-type: none"> <li>1.</li> <li>2.</li> <li>3.</li> </ol> |
| Group Member Roles in this project                                                                                                          |                                                                              |

### Research:

For your chosen research question provide the following:

|                                                                                        |                                                                              |
|----------------------------------------------------------------------------------------|------------------------------------------------------------------------------|
| 3 Key facts                                                                            | <ol style="list-style-type: none"> <li>1.</li> <li>2.</li> <li>3.</li> </ol> |
| 2 surprising discoveries                                                               | <ol style="list-style-type: none"> <li>1.</li> <li>2.</li> </ol>             |
| 1 local connection. Relate your question to something happening in your town/city/etc. |                                                                              |

|                                                  |  |
|--------------------------------------------------|--|
| 2 supporting images                              |  |
| 1 data point and/or statistic about your topic.  |  |
| 1 solution and/or action step that can be taken. |  |

## The Research Process:

## How to Be a Science Detective



## Google Access

Thank you for your purchase. Clicking the link button below will automatically create a copy of the Google resources and place them into your Google Drive. You'll find the folder inside the 'Shared with me' section on the left side of your Drive.

**Important:** Before you click, make sure you're signed in to the Google account you'd like the resources placed into. If the resources are added to the wrong account, simply sign out and then into the correct one and repeat the process.

Click here to place a copy of your resources into your Google account

TWF

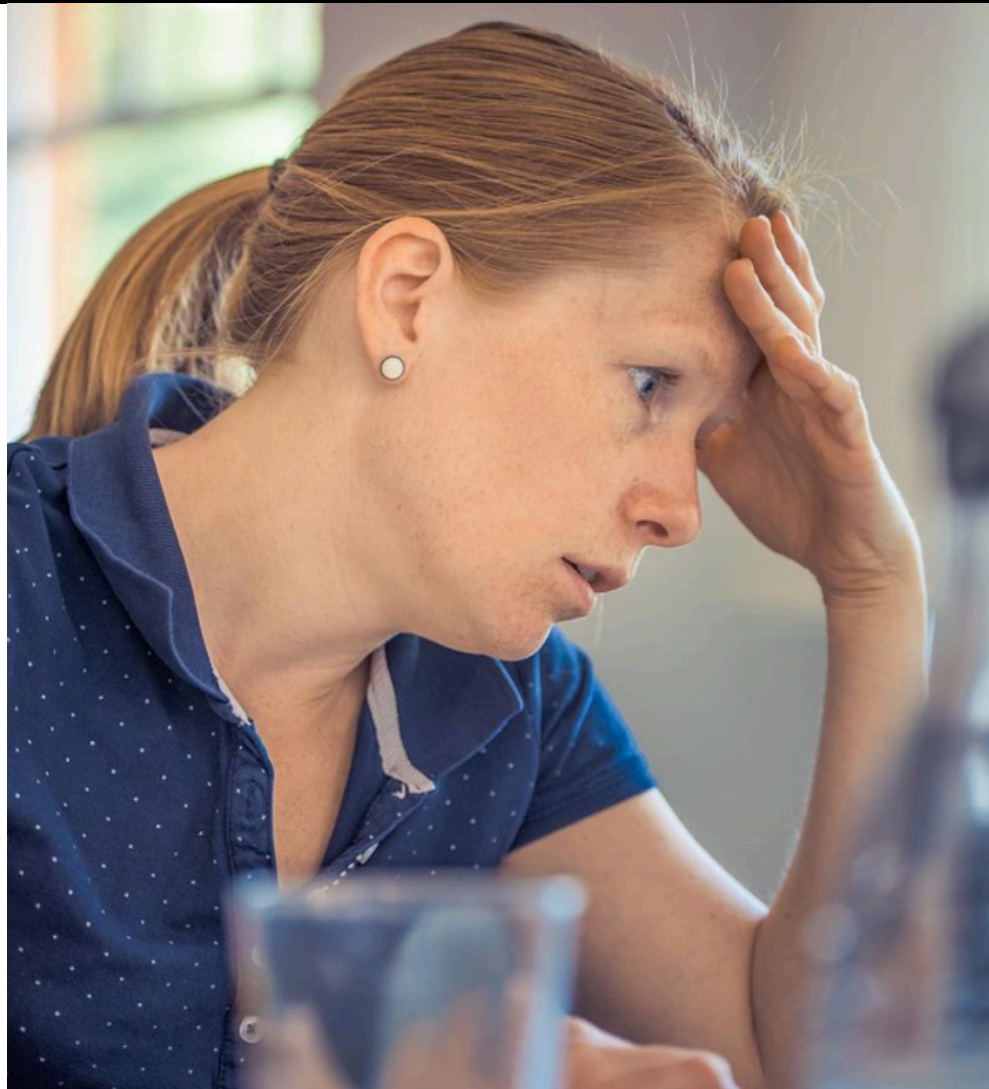
Google Classroom Ready  
One-Click Google Slides Access

# Who's It For?

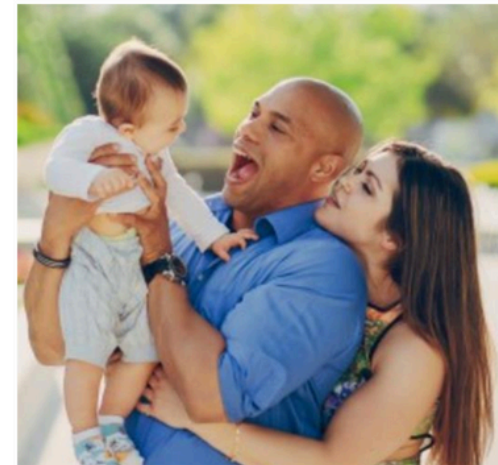
- **Middle School Science Teachers**
- **Teachers using NGSS**
- **Teachers who want to increase their student's engagement and retention**
- **Teachers not looking to reinvent the wheel**

# Save yourself the **STRESS AND TIME**

**TWF**



# Spend your time WISELY



**TWF**