**Topic 1:** Introduction to Climate Change Science

**Articles:**

1. **NASA Science - Mitigation and Adaptation:**

[NASA Mitigation and Adaptation](https://science.nasa.gov/climate-change/adaptation-mitigation/) This is a great resource from NASA that provides a clear and concise overview of climate change science, mitigation, and adaptation. It covers the basics of the greenhouse gas effect, the evidence for climate change, and the potential impacts of climate change.

1. **National Geographic - Climate Change** [National Geographic Climate Change](https://education.nationalgeographic.org/resource/climate-change) This article from National Geographic provides a comprehensive overview of climate change, including its causes, effects, and solutions. It is well-written and easy to understand, even for those with no prior knowledge of climate change.
2. **Intergovernmental Panel on Climate Change (IPCC) - Climate Change 2021: The Physical Science Basis** [IPCC Climate Change 2021 The Physical Science Basis](https://www.ipcc.ch/) This report from the IPCC is the most comprehensive and up-to-date assessment of the science of climate change. It is a technical report, but the summary for policymakers provides a good overview of the key findings.
3. **Scientific American - What is Climate Change?** [What is Climate Change Scientific American ON scientificamerican.com] This article from Scientific American offers a clear and concise explanation of climate change, the greenhouse effect, and the scientific consensus on human-caused climate change. It's a great resource for a basic understanding of the topic.
4. **National Oceanic and Atmospheric Administration (NOAA) - Climate Change: How Do We Know?** [NOAA Climate Change How Do We Know] This article from NOAA dives deeper into the evidence for climate change. It explores various scientific observations, such as rising global temperatures, melting glaciers, and sea level rise, demonstrating how they all point towards a changing climate.

**Video Links:**

1. **NASA Climate Change** [NASA Climate Change Evidence](https://www.youtube.com/user/NASAClimate) This video from NASA provides a compelling overview of the evidence for climate change. It uses clear animations and explanations to show how human activities are causing the climate to change.
2. **The IPCC - AR6 WGII Impacts, Adaptation and Vulnerability** [IPCC AR6 WGII Impacts Adaptation and Vulnerability](https://www.ipcc.ch/report/ar6/wg2/) This video from the IPCC provides an overview of the latest science on the impacts of climate change, adaptation, and vulnerability. It is a bit more technical than the NASA video, but it is still a valuable resource for those who want to learn more about this topic.
3. **John Oliver on Last Week Tonight - Climate Change** [Last Week Tonight with John Oliver - Climate Change](https://www.youtube.com/watch?v=cjuGCJJUGsg) This video from Last Week Tonight with John Oliver provides a humorous and informative take on climate change. It is a great way to introduce the topic to a general audience.
4. **Yale Climate Connections - Climate Change Animations** Yale Climate Connections Climate Change Animations [invalid URL removed] This playlist from Yale Climate Connections offers a variety of short, animated videos that explain different aspects of climate change in a clear and engaging way.
5. **National Geographic - Visualizing Climate Change** National Geographic Visualizing Climate Change [invalid URL removed] This video from National Geographic uses stunning visuals to show the impacts of climate change around the world. It is a powerful reminder of the urgency of taking action.