

## Climate Change: An Introductory Lesson Plan for Primary School

As a **primary school teacher** (for students aged 5-10 years), you can use this lesson plan to introduce climate change and its impacts to your students. Climate change can be complex and is often difficult to explain to primary school students. It is especially important for primary school teachers to teach this critical issue meaningfully and yet engage them positively (with minimal doom and gloom associated with the current climate crisis).

In this lesson plan, students will be introduced to the basics of climate change, which is one of the most significant issues of our time. Students will further learn about the causes of climate change and will explore possible climate solutions.

### Learning Outcomes

The tools in this lesson plan will enable students to:

- be introduced to the issue of climate change and its global impacts
- learn about the causes and effects of climate change
- explore solutions to the climate crisis

### About

Grade Level	Primary School (Ages 5-10 years)
Discipline	Environmental Sciences, Social Sciences
Topic(s) in Discipline	Climate Change Overview
Climate Topic	Introduction to Climate Change
Location	Global
Access	Online
Language(s)	English
Approximate Time Required	60 mins
Mapped Sustainable Development Goal(s), apart from 4 and 13	

## Step-by-step User Guide

Here is a step-by-step guide to using this lesson plan in the classroom/laboratory. We have suggested these steps as a possible plan of action. You may customise the lesson plan according to your preferences and requirements.

<p><b>1</b></p>	<p>Explore the topic further through an interactive reading</p> <p>Reading (20 min)</p>	<p>Use this reading titled “A Guide to Climate Change for Kids” by NASA Climate Kids to introduce your students to climate change and how it affects our planet.</p> <p>This reading includes the following sections:</p> <ol style="list-style-type: none"> <li>1. What is the difference between weather and climate?</li> <li>2. What is climate change?</li> <li>3. How do we know Earth’s climate is getting warmer?</li> <li>4. Why is Earth warming?</li> <li>5. What does carbon have to do with it?</li> <li>6. Has the climate ever changed before?</li> <li>7. It doesn’t feel hotter where I live. Why does climate change matter?</li> <li>8. What does climate change do to the ocean?</li> <li>9. How are scientists studying climate change?</li> <li>10. What can I do?</li> </ol> <p>Each of these sections contains simple models, graphs and videos to explore the topics in more detail.</p> <p><a href="#">Read More</a></p>
<p><b>2</b></p>	<p>Classroom/Lab Activity to explore climate data and research</p> <p>Classroom/Laboratory Activity (40 min)</p>	<p>Next, conduct a hands-on colouring activity to understand climate change and its impacts. Use the colouring book titled “Climate Change Colouring Book” by Brian Foo, to help students explore climate data and research through various colouring activities.</p> <p>This book contains 20 colouring activities accompanied by written descriptions of the research and sources. Colouring activities include the causes and effects of climate change as well as solutions to reduce climate change. These activities are:</p> <ol style="list-style-type: none"> <li>1. Global Carbon Emissions from Fossil Fuels</li> <li>2. The hottest months on record</li> <li>3. Where carbon emissions are the greatest</li> <li>4. What drives global warming?</li> <li>5. Global deforestation</li> <li>6. Air pollution in Beijing</li> <li>7. Warming and rising seas</li> <li>8. Shrinking Arctic sea ice</li> <li>9. Sea level scenarios</li> <li>10. Rising tides and coastal flooding</li> <li>11. Typhoons and the Philippines</li> <li>12. Coral Bleaching of the Great Barrier Reef</li> <li>13. Equivalence</li> <li>14. Scientific consensus</li> <li>15. Public Perception</li> <li>16. Renewable Energy Potential</li> <li>17. Carbon dioxide emissions by transport type</li> <li>18. Light bulb census</li> </ol>

		<p>This book is available for purchase on <a href="#">Amazon</a>. You can also download a pdf version of this book with a “<a href="#">PAY WHAT YOU WANT</a>” option.</p> <p><a href="#">Read More</a></p> <p>You may refer to a primary school student project that uses the ‘Climate Change Colouring Book’ as a guide for your students. This project report titled ‘Poley’s Ice Is Melting’ by Lila Chopra (Age 6 years), student of Vidya Valley School, Pune, India describes the adventures of a polar bear in a warming world with a plea for humans to stop global warming.</p> <p>Read More (Lila’s work to be mentioned here)</p>
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## Questions

Use this Lesson Plan to help the students to understand and find answers to:

1. What is Climate Change?
2. What are the causes of global warming?
3. What is the contribution of human activity to global warming?
4. Discuss what are possible solutions to the climate crisis.

## Credits

Sr. No.	Name of the Teaching Tool	Name of Owner/Author, Affiliation, weblink
1.	Reading “ <a href="#">A Guide to Climate Change for Kids</a> ”	By <a href="#">Climate Kids, NASA</a>
2.	Classroom/Lab Activity “ <a href="#">Climate Change Colouring Book</a> ”	By <a href="#">Brian Foo</a>