

I HAVE A DREAM...

CAMPAIGN



SECONDARY LEVEL

LESSON PLAN FOR TEACHERS

Activity 5

Lesson Plan 1: Climate Whiz Quiz

Lesson Plan 2: Write-up Right now

Last date of submission for Activity 4:

Tuesday, May 4, 2010

Children's Museum for Peace & Human Rights
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A Note for the Head and Teachers

Welcome to the second mailing of the CMPHR campaign '**I Have A Dream...**' As you may know, this campaign is based on the concept of making this world a better place to live in by fulfilling the dreams we have for it. We had started this campaign with the component "I Have a Dream of a Clean, Green World" which focuses on the environmental issues which our planet is faced with.

The summary of the campaign so far is as follows:

Activity	Content of Activity	Details	Deadline
Activity 1	Personal Reflections: <i>I Have a Dream of a Perfect World</i>	Entries received from 82 schools	Activity Completed
Activity 2	Art Activity: <i>Paint to Protect our Planet</i> [Primary Level only]	2,775 entries received from 88 schools	Activity Completed
Activity 3	Art Activity: <i>Posters to Protect our Planet</i> [Secondary Level only]	1,465 entries received from 77 schools	Activity Completed
Activity 4	Letter Writing: <i>Write-Up Right Now</i> [Primary Level only]	Details in this mailing	4 May '10
Activity 5	Letter Writing: <i>Write-Up Right Now</i> [Secondary Level only]	Details in this mailing	4 May '10

Activity 2 and 3 required students to think about environmental problems that threaten the existence of life on this planet. Activities 4 and 5 involve taking concrete action for a solution to these environmental problems. These activities also emphasizes on the need to be proactive to create change.

We hope you will encourage your children to take part in these activities with energy and enthusiasm.

Activity 5: Lesson Plan 1

Climate Whiz QUIZ

Target Group: Class 7 and upwards

Subject: Social Studies/Geography

Time: One period

Aims:

- To test students' knowledge of the severity of the climate change problem
- To reflect on the effects of human activity on this planet
- To provide opportunity for sharing thoughts, emotions and responses

Preparation:

Make copies of the worksheet 'The Climate Change Quiz' which is enclosed with this lesson plan for the students of your class.

Procedure:

- Give the students approximately 15 minutes to complete the quiz.
- When the students have finished the quiz, take a majority vote for the correct answer of each question and note these on the board: e.g.
Question 1, Answer B
Question 2, Answer A
Etc.
- Now let the students know the correct answers for each question and discuss each answer in detail.
- **Question 1. Correct Answer: A**
Greenhouse gases are gases in the Earth's atmosphere that absorb and trap radiation from the sun, cause the Greenhouse Effect, and affect the temperature of the Earth.

- **Question 2. Correct Answer: C**
Carbon-dioxide, methane and nitrous-oxide are the main greenhouse gases that result from human activity. CO₂ concentrations in the atmosphere have increased by over 35% since the Industrial Revolution.
- **Question 3. Correct Answer: A**
The United States of America is the second highest CO₂ emitter in the world. China ranks as the highest CO₂ emitter.
- **Question 4. Correct Answer: A**
Even though African countries have very low levels of CO₂ emissions, they are some of the most vulnerable to the impacts of climate change.
- **Question 5. Correct Answer: C**
Global average temperature is the most commonly used indicator of climate change and is based on air temperature data over land and sea surfaces.
- **Question 6. Correct Answer: E**
Drastic changes in climate and temperature over the years is predicted to have impacts on everything ranging from biodiversity loss, human health, weather patterns, etc.
- **Question 7. Correct Answer: A**
These deaths are a result of extreme weather conditions, spread of diseases, malnutrition due to food shortages, etc.
- **Question 8. Correct Answer: C**
Summer sea ice in the North Pole has already declined by 40% since 1980. If global temperatures keep rising at the current rate, the North Pole will be ice-free before the end of this century.
- **Question 9. Correct Answer: C**
Studies predict that massive specie extinction will occur if global temperatures rise by 2°C. These include polar bears, penguins, gorillas, seals, etc.
- **Question 10. Correct Answer: C**
Global temperatures are on a path to rise by an average of 6°C by the end of the century as CO₂ emissions increase.

- **Question 11. Correct Answer: B**

As populations rise, more people will be exposed to the impacts of climate change majority of who will be living in poor and developing countries.

- **Question 12. Correct Answer: C**

By 2050, at least 200 million people will have to leave their homes due to rise in sea levels as well as disruption in food production caused by droughts or floods.

- **Question 13. Correct Answer: A**

Recycling one aluminium can saves enough energy to run a TV for three hours - or the equivalent of a half a gallon of gasoline.

- **Question 14. Correct Answer: B**

This enormous amount of energy coming from the sun can be captured through solar panels and used to generate clean and renewable power.

- **Question 15. Correct Answer: C**

Around the world, more than 900 million tons of CO₂ is released by cars, trucks and other motor vehicles each year.

A Note for the Teacher:

This activity does not need to be reported to the CMPHR, but it is an essential activity in order to make your students understand the concept, therefore please carry this out first, before moving on to the other activities. Thank you.

Activity 5: Lesson Plan 2

Write-up Right Now

Target Group: Class 7 and upwards

Subject: Language/Social Studies/Geography

Time: Two periods

Aims:

- To provide writing skills
- To empower students to speak up and express their views on a critical issue that impacts their future
- To reinforce in students the need to act urgently in order to save the planet.

Preparation:

- Refer to the Teachers' Notes at the end of this lesson plan to gain a background understanding of recent international efforts to put a stop to climate change. Briefly discuss the issues with your students.
- Hold a discussion with your entire class on their concerns about climate change and record these concerns on the board. Ask students to express their vision of a future where climate change is no longer an issue. This vision should include the types of energy we would use, how we would care for the environment, how we would conserve and so on. Tell the students that in order to bridge the gap between their visualization of an ideal future and what needs to be done to create this vision, it is necessary to take action.

Procedure:

- Ask students to take a first step by writing a letter to the leaders of the world to encourage action on climate change. Explain to students that letter writing is a powerful tool for bringing about change and that this

letter will be delivered by CMPHR to the leaders of those countries who are the most powerful and who are responsible for most of the problem of changing climate. Some of their letters will also be posted on the CMPHR's website.

- Provide students with the following key points which they should include in their letter:
 - a) The world is headed for disaster because of global warming and climate change. (Perhaps the students can incorporate some of the facts that they learnt from the previous activity of the Climate Whiz Quiz to make their argument more convincing.)
 - b) Remind world leaders that they missed a historic opportunity in December 2009 at Copenhagen to resolve the problem of global warming. Their meetings ended in failure.
 - c) Everyone is hopeful about the next opportunity coming up later this year in meetings of world leaders in Mexico.
 - d) Please take action and save the world from this upcoming disaster. Children and young people are concerned because their future is at stake.
- The letter should be short (maximum 250 words) and should not contain any spelling mistakes.
- The students should write the following in BLOCK LETTERS behind their letters:
 - a) Name
 - b) Age
 - c) Class
 - d) School
 - e) Branch
- Collect all the letters and send it to the CMPHR to meet the deadline for this activity.

Submission Deadline:

4th May 2010

A Note for the Teacher:

Please make sure that the **school name, address, and contact number** is clearly written on the package containing the letters that you send to CMPHR on the following address. Thank you.

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Teachers' Notes for Activity 5: Lesson Plan 2

United Nations Climate Change Conference December 2009 – Copenhagen

The 2009 United Nations Climate Change Conference was held in Copenhagen, Denmark between 7th and 18th December. The purpose of this Conference was for countries to together develop a plan of action to combat the effects of climate change and halt the process of global warming. This Conference has largely been considered a failure since no legally-binding agreement could be reached between participating countries unanimously. Negotiation deadlock over carbon emissions targets between the developed and the developing countries during the Conference has put the resolution of the climate change problem in doubt.

Climate Change Talks November 2010 – Mexico

To resolve the outstanding issues of the Climate Change Copenhagen Summit, another Conference is expected to be held in November 2010 in Mexico. Acknowledging that climate change poses as the greatest challenge facing humanity in modern times, leaders of the world have emphasized the need to rebuild trust amongst themselves and reach a binding agreement on carbon emissions cuts.