# Eco Healing-Carbon Footprint- 27th April, 2022

<table>
<tr>
<td colspan="2"><strong>SDGs covered</strong></td>
<td><strong>SDG 13</strong>- Climate Action<br><strong>SDG 7</strong> -Affordable and clean energy<br><strong>SDG 13</strong>- Industry, Innovation and Infrastructure<br><br>13 CLIMATE ACTION    7 AFFORDABLE AND CLEAN ENERGY    9 INDUSTRY, INNOVATION AND INFRASTRUCTURE</td>
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<td>1.</td>
<td>Title of activity</td>
<td align="center"><strong>Eco healing-Carbon Footprint</strong></td>
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<td>2.</td>
<td>Class</td>
<td align="center"><strong>VI-VIII</strong></td>
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<td>3.</td>
<td>Subjects involved</td>
<td>● English<br>● Science<br>● Maths</td>
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<td>4.</td>
<td>Facilitators</td>
<td>Ms. Barnali, Ms. Monika Kapoor, Ms. Ruchi Sambher, Ms. Reena Shankar</td>
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<td>5.</td>
<td>Brief description of the learning objectives, content of the activity and competencies acquired</td>
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❖ <strong><u>Learning Objectives-</u></strong><br>
● <strong><u>Cognitive learning objectives</u></strong>- The learner understands the need for sustainable design and innovation in reducing the carbon emissions.<br>
● <strong><u>Socio-emotional objectives</u></strong>- The learner is able to communicate the need for reducing the emission of carbon by using alternative methods to harness energy. A small action also counts so to collaborate and endeavor to achieve SDG 13.<br>
● <strong><u>Behavioral learning objectives</u></strong>- The learner is able to find innovative solutions to reduce emission of harmful gases.<br><br>
❖ <strong><u>Brief description of the activity-</u></strong><br><br>
"Eco healing"-Reducing Carbon footprint - <strong>Awareness Campaign-Methods to reduce carbon footprint.</strong><br>
Fossil fuels are a key component in powering our industrial society. Burning fossil fuels for energy, however, produces a number of pollutants, including carbon dioxide ($CO_2$). This means that everyone has a $CO_2$ or carbon "footprint". A carbon footprint is the amount of $CO_2$ each person is directly or indirectly responsible for producing. The size of your footprint depends on lifestyle choices, such as transportation, diet and purchases.<br>
Understanding the consequences of everyday consumption, and learning how to reduce the size of our collective carbon footprint, are vital to reducing $CO_2$ emissions and slowing down human caused climate change.<br><br>
In order to create an awareness about its harmful effects and to reduce carbon foot print, various activities were taken up by the students and teachers of classes <strong>VI to VIII.</strong> A Power point presentation was shown to the students which showcased the issues related to global warming, pollution and air quality index. A <strong>data analysis</strong> was done to hypothesize about which daily activities in their daily lives have the largest carbon footprint and their thoughts were recorded in the worksheets provided and on the basis of data received, results were evaluated to find out carbon footprint of each class in the form of pie chart.<br><br>
An ECO <strong>talk</strong> was taken up in the class with the help of a <strong>Power Point presentation</strong> on Carbon footprint highlighting the need for ecofriendly methods at an individual level. The Talk emphasized on the need to protect
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our environment by being more aware about innovative and alternative methods to reduce emission of harmful gases.

The young ITLeens were sensitized to take steps to reduce their carbon foot print.

The activities gave an opportunity to rethink and take a step forward in creating an environment for a greener and sustainable future. Every small step taken can add up to a big overall change.

It's time to join hands together to reduce our carbon footprint.
- ❖ **Competencies acquired-**
- ● Systems competency, strategic competency, collaboration competency, critical thinking competency, Integrative Problem-solving competency

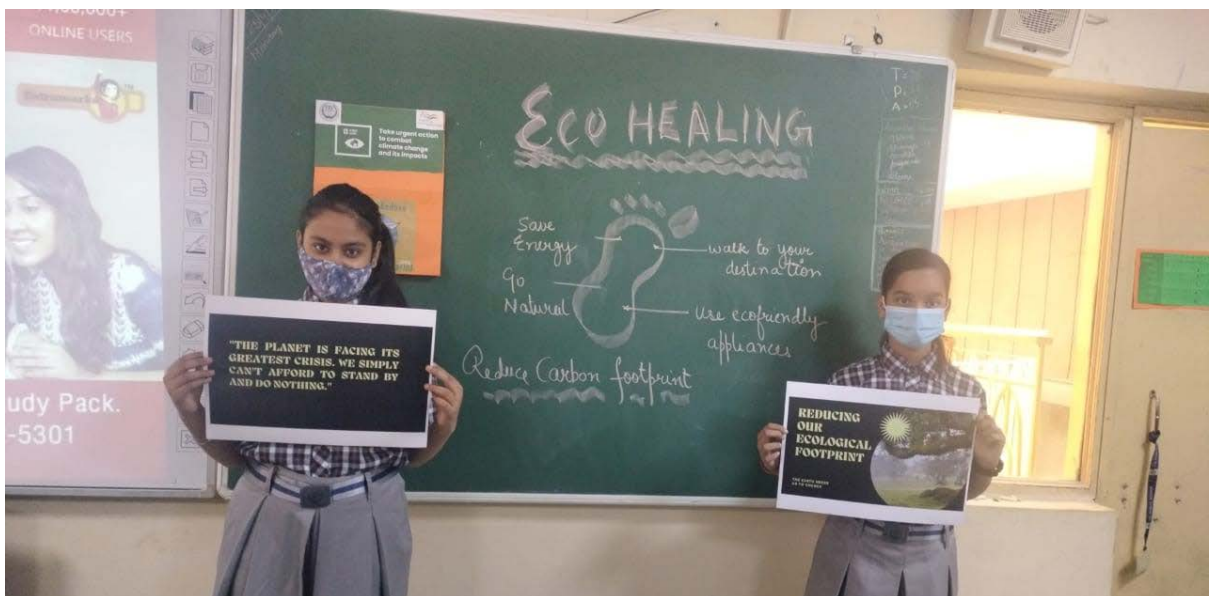| 6. | Time period of this activity | 8:05-8:50 (45 minutes) |
|---|---|---|
| 7. | Evidences included | Poster, Photographs, Collection and analysis of data. |



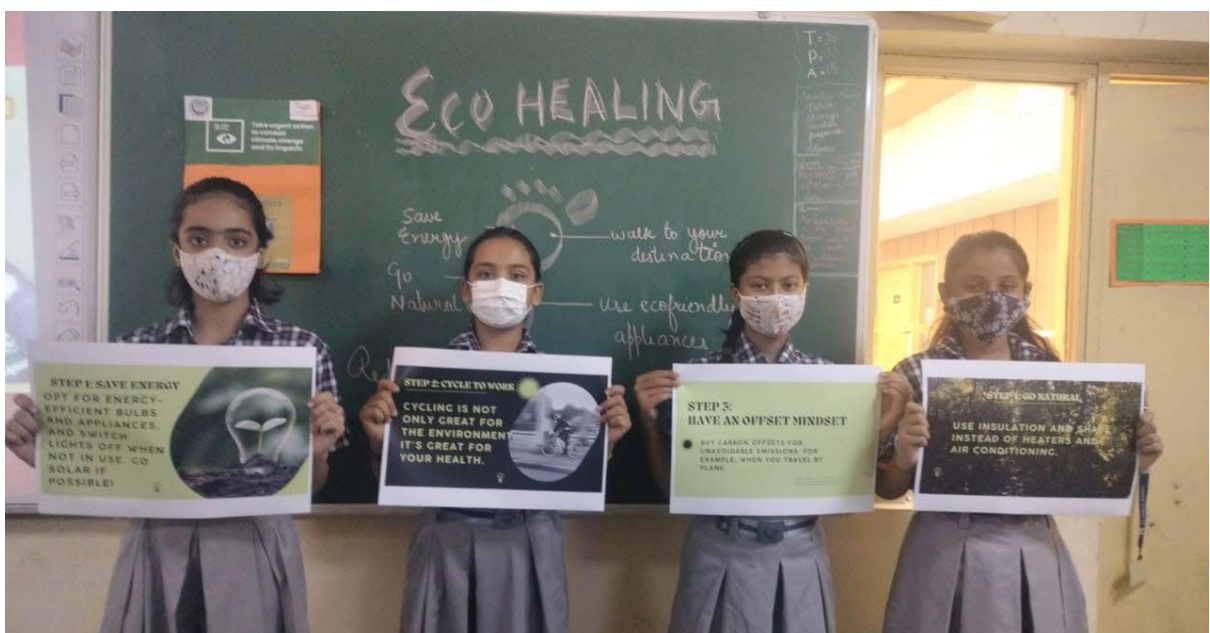Students calculating their daily carbon footprint



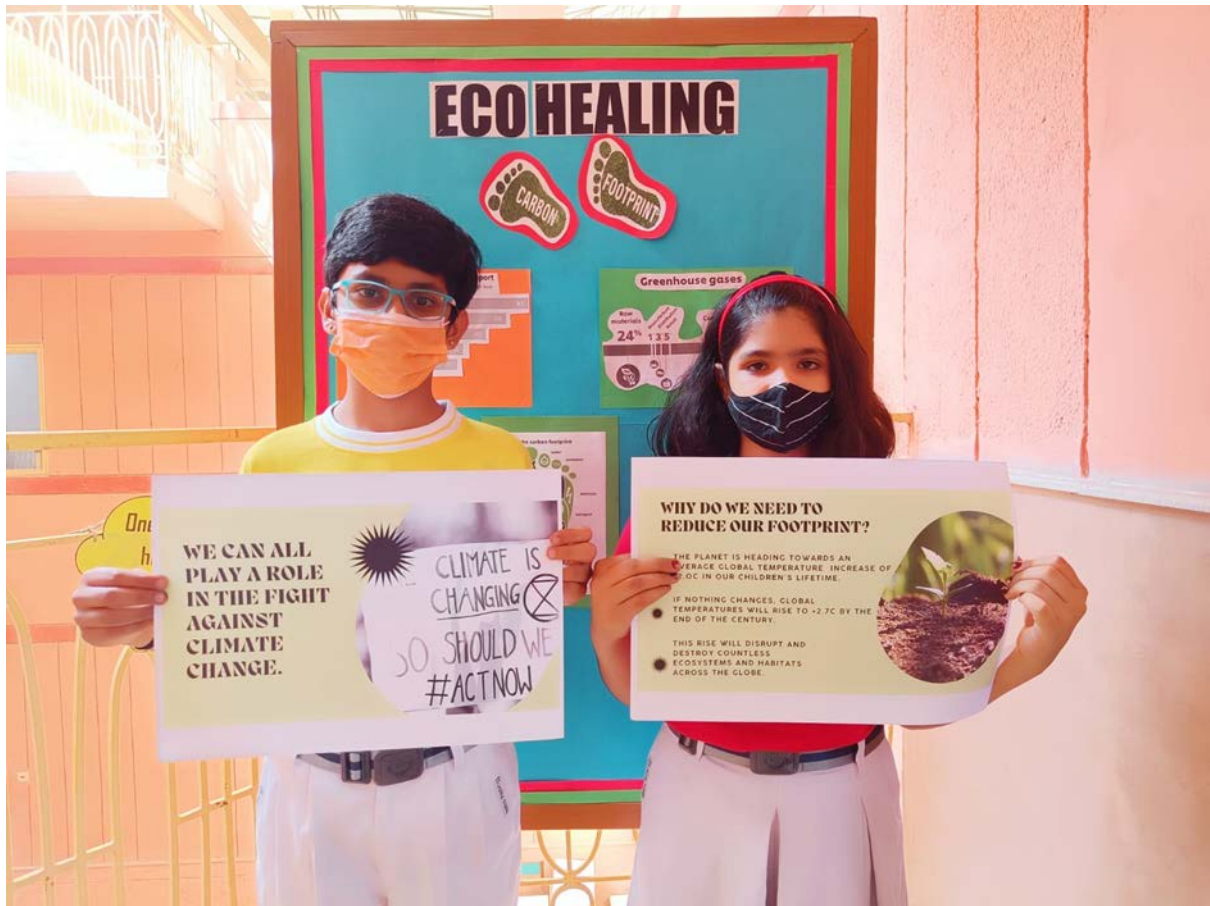Class room carbon footprint calculation

Reducing our ecological footprint



Little steps count

Awareness is the first step towards solution