<table>
<thead>
<tr>
<th>Activities</th>
<th>Date of Activity</th>
<th>Objective</th>
<th>How objective address</th>
<th>Duration</th>
<th>Venue</th>
<th>Person/s responsible</th>
</tr>
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<tbody>
<tr>
<td>1. Effect of the earth’s Greenhouse gases on air temperatures</td>
<td>29 July 2019</td>
<td>• To provide basic knowledge about climate change to learners</td>
<td>Experiments in the MUT Science</td>
<td>2 hours</td>
<td>MUT</td>
<td>Prof Bakare Chemical Engineering</td>
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<td>2. Seasonal and long term atmospheric CO₂ trends during the past 20 years and predictions of the future</td>
<td>29 July 2019</td>
<td>• To make learners understand that they, together with their communities, are not exempt from being responsible in</td>
<td>Classroom exercise in generate dataset and in data handling of trends</td>
<td>2 hours</td>
<td>MUT</td>
<td>Mr Oyieke Mr Kunene Mechanical Engineering</td>
</tr>
</tbody>
</table>
### 3. Potential impact of climate change in communities
- **29 July 2019**
- **Objective:** To make learners debate on critical issues that need to be addressed to manage climate change
- **Methods:** PowerPoint presentations, debates, and posters
- **Duration:** 2 hours
- **Instructor:** Mr S Naidoo
  - **Department:** Civil Engineering

### 4. Calculation of carbon footprints based on learner energy usage
- **29 July 2019**
- **Objective:** To equip learners with the skill of calculating carbon emissions and applying the skill to daily activities in their homesteads and communities
- **Methods:** Calculations
- **Duration:** 2 hours
- **Instructor:** Dr Numbi
  - **Department:** Electrical Engineering

### 5. Policy Development
- **30 July 2019**
- **Objective:** To learn to engage in robust discussions that will assist the management of climate change
- **Methods:** Gathering of thoughts on flipcharts
- **Duration:** 2 hours
- **Instructor:** Dr Ntshangase

### 6. Way Forward – Save Your Energy
- **30 July 2019**
- **Objective:** To provide basic knowledge about saving energy
- **Methods:** Posters, videos, and flyers
- **Duration:** 2 hours
- **Instructor:** Mr K Padayache
  - **Department:** Quantity Surveying
| 7. The impact of climate change on food security | 30 July – 1 August 2019 | • To create awareness on climate change and its impacts on food security  
• To educate local residents on extreme weather conditions (floods, droughts, high temperatures and greenhouse gas effect)  
• To educate local residents on soil fertility and mitigation strategies | Through presentations/demonstrations – models and equipment display | 08:00-16:00 daily | Mkhanyakude District | Ms Mthiyane  
Mr Tshabalala  
Ms Cirha  
Dr Ndou  
Ms Ndlovu  
Ms Kunene  
Mr Khawula |
|---|---|---|---|---|---|---|
| 8. Tree Planting | 1 – 2 August 2019 | • Climate change impacts plant growth and forest lines in so doing dense forest are reduced to grassland which ultimately leads to soil erosion  
• Ultimately the primary producers/oxygen producers directly impact on the availability of usable gasses for improved number of indigenous trees available in academic environment  
Improved education towards importance of trees to economy and climate protection and sustainability.  
Improve aesthetics and ambience of liveable environment | 2 days | MUT/School | Prof Coopoosamy  
Dr Naidoo  
Prof Arthur  
Prof Anandraj |
| 9. The effect of climate change on human health | 2 August 2019 | • To create awareness on the effects of climate change on human health among the Umlazi community  
• To educate local residents on preventative strategies and reinforce existing programs | Basic health monitoring workshops and Public lectures | 2 hours | MUT/UMLAZI community hall | Mrs Ndlazi  
Mr Shangase  
Mr Khomo |
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<tr>
<td>10. Entrepreneurship in Green Technology</td>
<td>2 August 2019</td>
<td>• Show that work in the green economy is needed and prove that there are great entrepreneurship opportunities in green economy</td>
<td>Innovation exhibitions</td>
<td>2 hours</td>
<td>MUT</td>
<td>Mr Pons</td>
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</table>
businesses. Show that MUT has used its research and innovation to assist the poor in the fields of green technology.

| 11. Raising awareness of environmentally sound practices | 1 August 2019 | • Constitutional right to a clean environment S. 24
• The link to S. 27 Health for all in S.A.
• NDP – Health Promotion Chapter 10
• EH Norms and Standards, 2015 – Complaints procedure
• EHP’s oversight role in EH Investigations – Health Act |
| | | Develop visual material (poster) highlighting the above and make it available at EH offices, hopefully at clinics and Sizakela offices? Reach out to schools and shopping centres phase 2 Commemorating Environmental Health events |
| | 1 day | Port Shepstone |
| | | Dr Poswa
Mrs Mtshengu
Mrs Bigara |