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| ☐ Listening ☐ Speaking ■ Reading ☐ Grammar ☐ Writing |
| **Topic: Climate change and Global warming for students** |

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| Instructor:  Kim Jieun (MIN) | Level:  **Intermediate** | Students:  **7** | Length:  **45-50 Minutes** |

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| Materials: Reading material (7 copies for students)  Worksheet 1 / 2-1 / 2-2 / 3 / 4 (7 copies for students)  Video  White board, board markers  Pictures(SOS) |

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| Aims: Main aim: Students will be able to improve reading comprehension.  Secondary aim: Students will be able to get science information about the topic  Personal aim: Students will be able to be interested in the topic.  Students will be able to make ideas to solve the problem. |

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| Language Skills:  Listening: listening to teacher’s instruction and explanation.  Speaking: discussing with partner. Answering the question.  Reading: reading the text and worksheets  Writing: filling in blanks. Write something on the white board with board marker. |

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| Language Systems:  Phonology: glacier [|gleɪʃər] , vapour [|veɪpə(r)] , methane [|meθeɪn]  Lexis: new vocabularies about the topic  ( greenhouse gases, weather, climate, greenhouse effect, carbon dioxide , trap)  Function: explanation, descriptive writing  Discourse: Sharing ideas, discussion |

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| Assumptions:  Four language skills and language systems   1. how the class is set up and run 2. Most students have interested in science. 3. How to skim and scan 4. Some of the vocabularies in the text |

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| Anticipated Errors and Solutions:  If students could not do worksheet well  I will explain word meaning  If students may have difficulty in understanding the meaning  I will provide them with the definition and examples  If students need help to express their opinions during discussion  I will give them linguistic support by providing definitions and examples.  If students need reading comprehension support   I will encourage them to look up the words in the dictionary and the context clue.  If certain students dominate the discussion   I will ask them to give other students a chance to speak. |

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| References:  <http://www.eschooltoday.com/climate-change/Introduction-to-climate-change-for-children.html>  http://www.eschooltoday.com/climate-change/green-house-effect-video-illustration.html |

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| **Pre-task** | | | |
| Materials: | | | |
| Time | Set Up | Student Activity | Teacher Talk |
| 3min | Whole  Class | Listen to teacher’s talk.  Answering teacher’s questions | Greeting  Hi every one. How is it going?  What is the weather?  It is rainy and wet today.  Eliciting  What is the climate in this summer?  The heat wave lasted in this summer.  I heard that the weather forecast said average degree is 30.6 Celsius in july.  This heat wave makes us tired.  What did you hear about climate damage in Korean multimedia?  I heard Heavy rain has caused floods in  Africa and Nepal yesterday.  Introduction  Temperature is getting hot.  Today, we are going to talk about global warming in our planet. |

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| **Task Preparation** | | | |
| Materials: Worksheet 1 | | | |
| Time | Set Up | Student Activity | Teacher Talk |
| 1 min  2 min  2min | Whole  Class  Pair | Listen teacher’s introduction.  Doing worksheet in pairs  Checking the correct Answer | New vocabulary  Introduction  Before reading the text, we will learn new vocabulary related to the global warming terms.  I will give you vocabulary worksheet.  Try to find the matching words to the proper definition.  Work with your partner next to you.  I will give you 2 minutes.  CCQ  Are you working alone?  Can you compare “weather” with “climate”?  Checking Answer  We will get the correct answer.  I will show the definition of vocabulary. |

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| **Task Realization** | | | |
| Materials: Video, Worksheet 2-1, Worksheet 2-2 , Worksheet 3, Text | | | |
| Time | Set Up | Student Activity | Teacher Talk |
| 2min  2min  3min  3min  1min  5min  2min  5min  2min | Whole  Class  Each individual  Each individual  Each individual  Whole  Class  Each  Individual | Listen teacher’s instruction  Watch the video  Doing the worksheet  Checking the correct answer  Read the text  Listen to teacher’s explanation  Doing the worksheet(5min)  Checking the answer | Instruction  Our planet is getting warmer.  Climate change like Heat waves, storms and floods are becoming extreme.  We experience this climate change now.  We will talk about global warming.  Global warming is the increase in the global temperature.  Greenhouse effect is causing global warming.  We should learn how greenhouse effect works in the atmosphere in 5 steps.  Let’s see the video.  **CCQ**  -What kind of climate change we experienced in Korea?  -Do you want to see the video again?  -What does the greenhouse look like?  I will give you worksheet 2-1,2-2.  There are 5 steps of greenhouse effect.  Let’s match sentence to fit the picture.  I will give you 3 minutes.  CCQ  How many minutes do you have?(3min)  Checking Answer  We will get the correct answer.  Instruction ( text )  Let’s read the text about global warming.  After reading, You can get ideas about what to do for global warming.  I will give you the text.  You will read the text for 5 minutes.  Explanation  I will explain the content briefly.  Greenhouse gases trap heat in the atmosphere, which makes the Earth warmer.  This warming is Global Warming, and it is caused by the greenhouse effect.  The greenhouse effect is important.  Without the greenhouse effect, the earth would not be warm to live.  But if the greenhouse effect becomes stronger, it could make the earth warmer than usual.  Global warming causes climate changes. Arctic sea ice is melting earlier.(Glacier ice will melt) Heat waves, storms and floods are becoming more extreme.  The oceans will warm and cause sea levels to rise more quickly. It causes flood on land.  I will give you worksheet 3.  You will correct the answer on a worksheet based on the text.  I will give you 5 minutes.  CCQ  How many minutes do you have?(3min)  Answer checking  We will check the correct answer. |
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| **Post Activity** | | | |
| Materials: Worksheet 4, White board, Board markers | | | |
| Time | Set Up | Student Activity | Teacher Talk |
| 1min  5min  3min | Whole  Class  Pair    Each individual | Listen teacher’s instruction  Discussing and  Filling in blanks    Writing something on the white board with board marker. | Instruction  It may be hard for you to imagine that  anything to do can prevent global warming.  But There is some things you can do for global warming.  Let’s discuss about some specific changes you can do to help prevent global warming.  For example, imagine the word like vehicles, plant and home appliance.  Work with partner next to you.  I will give you 5 minutes.  You will write your changes for global warming on the white board with board marker.  I am sure your specific changes to do can prevent Global warming.  Thank you for your participation. |

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| **SOS Activity** | | | |
| Materials: Pictures | | | |
| Time | Set Up | Student Activity | Teacher Talk |
| 3min | Whole Class | Answering the teacher’s question. | The earth’s temperature has risen by 0.89.  The world’s climate has changed a lot.    I will show you some pictures about  Climate change.  Let’s see the picture and talk about climate change  What happened in this picture? |