

ALİ KUŞÇU İMAM HATİP SECONDARY SCHOOL (TURKEY)
SCIENCE LESSON PLAN

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| GRADE | 8th Grades | TIME/DURATION | 20 + 40 minutes |
| DAY/DATE | 11.11.2020 / 19.11.2020 | | |
| UNIT | UNIT 1 | | |
| THEME / TOPIC | CLIMATE CHANGE | | |
| GOALS / AIMS | <p>Students will be able to:</p> <ol style="list-style-type: none"> 1) Search for the causes and effects of climate change and global warming 2) Explain what greenhouse effect is 3) Propose suggestions about what precautions should be taken by the people and governments | | |
| VALUES AND FUNCTIONS: | <p>-Peace and Respect, Sensitivity to nature related issues, Love of Nature, Self-confidence -Problem solving / -Brainstorming / Creativity / Discussion, Research and Presentation skills</p> | | |
| METHODS AND TECHNIQUES | Lecture, Presentation, Question and Answer, Brainstorming, Discussion | | |
| MATERIALS | PowerPoint presentation with visuals (cartoons/posters), Computer or Smartphone, Internet, Zoom application, Notebook, Bulletin Board, Colourful Cartons, pins and pen and crayons. | | |
| WARM-UP | <p>Teacher asks the triggering questions: “Have you ever heard about climate change?”/”How did you learn about it, through which media?”, “Do you really see the effects of climate change in Turkey or your neighbourhood?”, “Do you know what greenhouse gas and effect is?” Then, students express their ideas.</p> | | |
| DURING THE LESSON | <ol style="list-style-type: none"> 1) Teacher introduces the topic: the causes and effects of climate change with some examples 2) Teacher elicits students’ background information about the causes and effects of climate change, why climate change occurs, what greenhouse effect means... 3) Students brainstorm and compare their ideas. 4) Teacher assigns students to do research about: <ul style="list-style-type: none"> -the causes of climate change -what global warming is -the effects of climate change -how people can take precautions against climate change 5) Then, she asks students to prepare posters and/or presentations and present their research works in the following online lesson on Zoom. In the next lesson: 6) The students show and deliver their presentations with visuals. 7) The teacher and students make comments on the presentations and answer the questions by presenters 8) The teacher asks whether students take actions against climate change in their daily life, whether they believe that the suggestions proposed by their friends will save the Earth and stop or lessen the effects of climate change. 9) Students discuss the questions and reflect their opinions. 10) The teacher assigns the students as below. | | |
| ASSIGNMENT & EVALUATION | <p>Assignments</p> <ul style="list-style-type: none"> • Students will prepare a posters and presentations to draw attention to climate change and how can we fight against climate change • Students will present their works in online lessons with Zoom. • After the online lesson, students will prepare a bulletin board at school to disseminate their works and raise awareness about the causes and effects of climate change besides what people can do to fight against climate change. <p>The students will prepare their works in Turkish to disseminate their works to a larger audience and they will prepare some works in English, as well. Note: Due to pandemic issue, the students go to school for just two days and they study online in the other days.</p> | | |