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### Introduction:

This lesson plan aims to sensitize students by creating and editing a magazine that deals with the problem of climate change, developing the issues of climate change in-depth and finding practical solutions.



### Objectives or Learning Outcomes

Students will:

- Investigate basic concepts about climate change.
- Recognise the dangers of climate change from an environmental perspective.
- Define some of the causes, effects and possible practical solutions to climate change.



### Time required:

- Session 1 (30 min): Introduction to the theme and brainstorm ideas with students.
- Home assignment 1 (90 min): Students research, reflect and complete the Action Worksheet through Microsoft Teams.
- Session 2 (30 min): Discussion in small groups about the previous findings.
- Home assignment 2 (90 min): Students write articles for the magazine.
- Session 3 (60 min): Magazine is printed and distributed.



### Resources required:

- Computers and smartphones.
- Microsoft Teams, voting tool: [Tricider](#) or [Mentimeter](#), [Madmag](#) app and printer; 'Team Action Plan' Worksheet.



# Activity

## Classroom session

1

- The teacher introduces the theme of climate change.
- The teacher divides students in groups of 3; each group will conduct research on different topics:

Team 1: definition of climate change.

Team 2: causes of climate change.

Team 3: consequences of climate change.

Team 4: possible solutions for specific local issues related to climate change.

- Teams hold a short discussion to organise the work and then the teacher leads a whole group brainstorm. The teacher provides each student with a 'Team Action Plan' worksheet for the home assignment.

## Home Assignment

1

- Students work in groups at home using Microsoft teams. Suggestions for students:
  - Each group is required to search only for information related to their task.
  - Precision and citing sources is required when collecting information such as dates, numbers, places and laws.
  - The choice of photos and visuals is very important; there must be a direct relationship with the task.

## Classroom session

2

- The teacher facilitates a discussion about each group's findings.
- Students present their findings.
- The teacher hosts a whole group debate about the collected information. The aim is to select the photos and the overall design of the magazine.
- Students vote for the photos using [Tricider](#) or [Mentimeter](#).

## Home Assignment

2

- Each group writes an article for the magazine based on its findings.
- Suggestions for students: gathering information is not enough, it must also be analysed. Some leading questions could be:
  - Is it relevant? Why? For whom?
  - Is your data accurate? How can it be interpreted from different perspectives?
  - After writing, edit your article. Check spelling mistakes, syntax and unnatural expressions.

## Classroom session

3

- The magazine is finalised and presented. Copies of the magazine are distributed in the school to sensitize other students and parents of climate change and our role as citizens.

## Suggestions of variation or further reading

This research and artistic experience could be shared with students from other schools. Moreover, this activity could be the start of a digital magazine that students will be in charge of. The hope is that the magazine will be distributed in schools around the city and that students from other institutions can participate in the process.

## References

[Take Part - Climate Change](#)

[UN - Climate Change](#)

[Acciona - Climate Change](#)

<https://www.climatechangenews.com/>

<https://www.wwf.org.uk/effectsofclimatechange>

[https://ec.europa.eu/clima/change/consequences\\_en](https://ec.europa.eu/clima/change/consequences_en)

<https://madmagz.com>

<https://interestingengineering.com/10-ways-you-can-help-reduce-the-climate-change>

This lesson plan was selected from the [2019 Eco-Schools competition](#) in which teachers were invited to develop and submit lesson plans that promote action oriented pedagogy about specific Sustainable Development Goals (SDGs).

# TEAM ACTION PLAN

Team:

Date:

Team Captain:

Participants:

Tasks	Due Date	Resources :	Communication tools :	Notes/Comments :

Checked and approved by :

# TEAM ACTION PLAN EXAMPLE

Team: 1

Date :

Team Captain: Student X

Participants : Students Y, W and Z.

Tasks	Due Date	Resources :	Communication tools :	Notes/Comments :
Research about the causes of climate change  Collection of photos related to the task	April,25, 2019	Internet  Public library	Microsoft teams  Facebook group  Messenger	Humans have been influencing the climate since the start of the Industrial Revolution.  The global warming of the last 50 years is, with over 95% probability, due to humans.

Checked and approved by :