



Lesson Plan for Positive Actions

Please send your Queries/Submit the lesson plan to Dr Pramod Kumar Sharma at pramod@fee.global

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g. Submission date of the lesson plan	

2. Has the lesson plan tried in a classroom (Please write a brief)

The lesson plan wasn't implemented in a class. The lesson plan was only completed after the students' classes had finished.
 However, a simulation of the class was done with two people who volunteered for the purpose. In this way, it was possible to correct small details, making the lesson more interesting.

3. The lesson plan

A. Introduction: Background information describing the key concepts in the lesson plan and which SDG they are linked to.

Every day we are bombarded with alarming information about the pollution of the oceans by plastic. The situation is very alarming, and it is necessary to raise awareness and raise awareness among young people of this issue.

In this lesson the following key concepts will be explored:

- Oxodegradable plastic
- Microplastics
- plastic islands
- Consumerism
- sustainable attitudes (rethink, reduce, reuse, recycle and refuse)

It is urgent to take action and change behaviors. We must fight against overconsumption and waste.

This class aims at alerting young people to the problem of pollution of the planet by plastic and sensitize them to the urgency of changing attitudes. Changing attitudes can start with each of us in our day by day rethinking attitudes and reducing consumption and waste.

B. Age Group – Classes that it is suitable for (Age 6 to 9, Age 10 to 11, Age 12 to 14, Age 15 to 16 and Age 17 to 18) Age 12 to 14.

C. Objectives or Learning Outcome/s Select from the learning outcomes listed in the publication.

SDG	Learning Outcome
11. Sustainable cities and communities	<ul style="list-style-type: none"> - Recognize the need to ban the use of disposable plastic. - Indicate positive actions that can be adopted by citizens to live with less plastic. - Identify government measures to reduce pollution by plastic.
12. Responsible consumption and production	<ul style="list-style-type: none"> - Recognize that today's society produces and consumes large quantities of plastic. - Classify plastic as to how they are produced. - Know the time of degradation of plastic in Nature. - Give examples of everyday situations where we waste plastic. - Identify everyday attitudes that lead to the reduction of plastic consumption. - Recognize that microplastics can enter food chains.
13. Life below water	<ul style="list-style-type: none"> - Recognize that the accumulation of plastics in the oceans is a serious problem. - Understand that the ingestion of fish with microplastics can affect the health of human beings. - Identify wrong attitudes that lead to the accumulation of plastics in the ocean. - Identify the main consequences of the accumulation of plastic in the oceans. - Propose measures that can be taken by each of us to reduce the accumulation of plastic in the oceans.

D. Time required to deliver the lesson plan.

90 minutes.

E. Resources Required to deliver the lesson plan (Material, equipment and reading resources)

- Visual classroom support: computer and projector.
- Students' mobile phones with internet connection.
- worksheet (in paper format)
- White board and markers

F. Activity – Steps or description of how the lesson plan will be conducted/facilitated by the teacher.

Before starting the lesson, all students should have with them their mobile phones previously connected to the internet by providing the password of the wi-fi.

Activity	key concepts	Resources	Time
Introduction to the theme "Pollution through plastics" -Observation and analysis of photographs - Watching a short video	Plastic pollution	PowerPoint presentation (slides 3 and 4) Video (slide 6)	5 min
Previous quiz (www.menti.com) -Fill -Analysis of results and comments	Classification of plastic (as to its origin) Time of degradation of plastic in Nature	PowerPoint presentation (slide 8) PowerPoint presentation (slide 10 and 11)	10 min
Plastic consumption standards in the EU, according to "SEAS AT RISK"	Disposable plastic and reusable plastic	PowerPoint presentation (slide 12 to 15)	5 min
Watch the GREENPEACE Video on consequences of the exhaustive plastic consumption	Exaggerated consumerism	GREENPEACE Video (slide 16)	3 min
What happens to a plastic cup or bag that we only use once?	Plastic Recycling	PowerPoint presentation (slide 17 e 18)	5 min
Consequences of plastic accumulation in the oceans - in marine animals - along the food chains - microplastics	Food chains and microplastics	PowerPoint presentation (slide 19 to 24)	5 min
Watching the video "Plastic Oceans" of United Nations	Ingestion of plastics by marine animals Plastic islands	video "Plastic Oceans" (United Nations) PowerPoint presentation (slide 26)	10 min
What can we do? Looking for solutions ...	Rule of the 5 Rs	PowerPoint presentation (slide 28)	5 min
Group activity (Good Practice Guide) Students propose positive actions to reduce the consumption of plastic in their daily life. The work is done in groups of 4, 5 students for 15 minutes. Each group designates a spokesperson (who will present the results to the class)	Good Practice Guide - live with less plastic	worksheet (in paper format)	15 min
Presentation of the proposals of each working group. Discussion and selection of proposals. Register in the group proposals for each of the product categories. The students record in their notebooks the positive actions selected.	Positive actions - live with less plastic	White board and markers	15 min
Conclusion: What is being done (some examples) Watching the trailer for "A Plastic Ocean" by Craig Leeson, inviting students to watch the movie at home and ending with a message of hope about plastic pollution "We can do it!"	Barriers in rivers Points of water refuelling in cities Positive actions - live with less plastic	PowerPoint presentation (slide 30 to 33) movie trailer "A plastic ocean" (2 min) (slide 34)	10 min

3. Evaluation and Assessment – How achievements of Outcomes both in short term and long term will be evaluated after the lesson is delivered?

The lesson aims at sensitizing young people to the problem of the accumulation of plastics on the planet and particularly in the oceans. Proposing measures to combat overconsumption and waste of plastic, young people should realize that it is possible to change the current landscape and protect the planet and the oceans in particular.

The impact of this lesson can be evaluated along the way interacting with young people and listening to their opinions. The group activity provides a reflection on the individual attitudes of each one of us and invites the students to propose behavioral changes daily. In this interaction with the students it will be possible to evaluate the results of their learning and to understand the extent to which they are sensitive to the problem of plastic pollution.

In the long term, it is expected that young people will in fact change their attitudes, reducing the consumption of superfluous goods and combating waste. It is intended that the future generation becomes sensitive and active to the problem of the pollution of the planet by plastics and the oceans in particular.

4. Suggestions of variation or further reading of the lesson plan

Depending on the characteristics of the students, the lesson may be more or less interactive.

The time of each activity will be flexible depending on the course of the lesson. Thus, the indicated times should be considered as mere references.

5. References – Acknowledging the resources that were used while developing the Lesson Plans.

<https://www.meucopoeco.com.br/site/blog>

<https://www.bbc.com/news/world-48554480>

<https://ichef.bbci.co.uk/news/624/cpsprodpb/7BB1/production/>

<https://www.wattson.pt/2019/02/27/as-falsas-alternativas-ao-plastico-fossil/>

<http://autossustentavel.com/2018/03/ecobarreira-caseira>

<https://bastanteinteressante.org>

<https://www.weforum.org/agenda/2018/06/90>

<https://www.weforum.org/agenda/2018/03/8-steps-to-solve-the-oceans-plastic-problem>

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