

The English Adventure!

Objeto de Aprendizaje 7

How green are you?





10th Grade

Suggested Curriculum
Module 3:
Sustainability

Topic:
How green
are you?

Language
Focus



Skills



OBJECTIVE(S):

At the end of this lesson, you will be able to list, analyze and evaluate the habits you and the people around you have when dealing with the environment. *Are our practices green? How can you make them even better?*

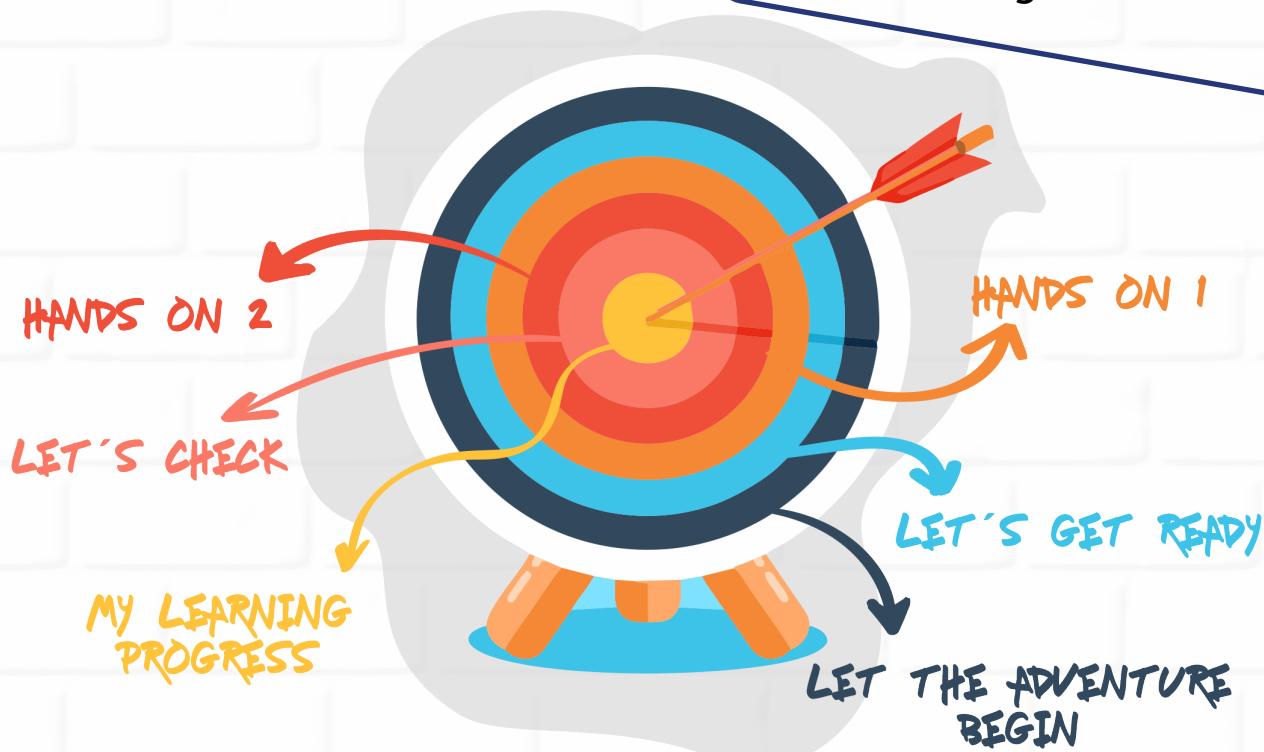
IN THIS SESSION YOU WILL LEARN

Words about the practices that protect and endanger the environment, and some quantifiers: *Everyone, degradation, collapse, proliferation, Landfill, Renewable.*

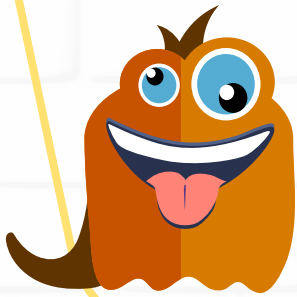
How to *analyze information found in articles on environmental protection.*

How to *create a podcast to raise awareness on environmental protection.*

Let's get started!



LET the ADVENTURE Begin!



What does it mean to be green? Green is the color of trees, plants, mountains. Green is the representation of life on our planet. Green people protect the environment. So now the question is: Are you green? In this lesson you will learn about that and about what the majority of the people are doing to protect the environment.

How can we contribute to the creation of a sustainable future for the environment?

Let's take a survey!



Activity 1: Let's take a survey! Answer the questions first, and then ask the same to at least eight other people.



How green are you?

Questions	Your Answers (Check (✓) for every Yes)	Others' answers (Check (✓) for every Yes)
1. Have you travelled into town by car or taxi in the last two weeks?		
2. Have you bought organic fruit or vegetables in the last two weeks?		
3. Have you used public transportation in the last two weeks?		
4. Have you separated your plastic and organic waste at home in the last week?		

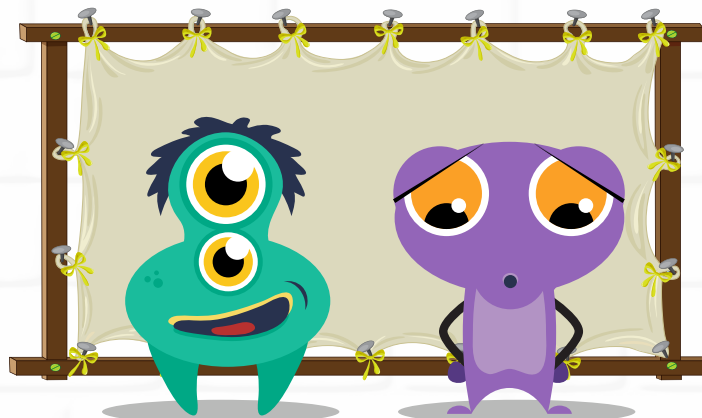




5. Have you recycled paper in the last two weeks?		
6. Have you bought fast food in a styrofoam or plastic container in the past two weeks?		
7. Have you paid more for something because it was environmentally friendly in the last two weeks?		
8. Have you re-used shopping bags in the last two weeks?two weeks?		



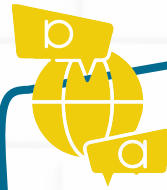
Activity 2: Count how many people said yes and no for each question, and then share your findings with the rest of the group. Are the majority of the people green?



Let's Get READY

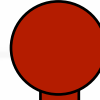


Activity 3: Let's report on the results of the survey. Look at the language box to see how to express the quantities of your survey analysis:



LANGUAGE BOX Quantifiers

Everybody (100%)



- Everyone/Everybody
- Most of the people
- Hall of the people
- Some people
- A few people
- Only one person
- Nobody/ No one

Nobody

GLASS



Use this information to report what you found in your survey.

Example:

The results of the survey show that most of the people have re-used their shopping bags in the last two weeks, but only one person has paid more for a product because it was environmentally friendly.

Your report: _____

ORGANIC



PLASTIC



HANDS On!



Activity 4: before you read the article below, let's take a look at some important words in context. How much do you know about the dangers our environment is facing? Play a game on this website (<https://sites.google.com/view/beinggreen/home>) so you can understand the most crucial vocabulary for this lesson.

Activity 5: read the following article. Environmental scientist **Cole Minard** describes different problems the Earth is facing now, which are causing the environment to deteriorate gradually, but surely. While you read: from the Title Box, select the best title for each paragraph.



Title Box:

- A. Energy crisis
- B. Water degradation
- C. Proliferation of weapons of mass destruction
- D. Overpopulation
- E. Pollution/Landfills
- F. Ocean system collapse
- G. Extreme weather



Dangers facing our planet

In the following lines, I will describe some serious problems our planet is facing. These problems are causing terrible effects on our environment, and we need to find ways to slow the deterioration down, or there will be no planet left for our children.

1. _____ Many different countries have nuclear, biological and chemical weapons with the intention of fighting terrorism, but the possible effects of using them would be terrible for our planet, causing a "Nuclear winter." Some countries have alliances to decrease the number of weapons they have, but some other countries with great arsenals have gotten out of those alliances, becoming a serious danger to our ecosystems.
2. idea of "Reduce - Reuse - Recycle", but pollution is still a problem. Chemicals go into the soil in landfills, which are large areas where cities throw away their garbage. Also, TVs and cellphones are commercialized and become obsolete very quickly, the old devices become a terrible source of chemicals being thrown into the environment. Also, cities are causing light pollution, and nuclear power plants are causing a lot of dangerous, radioactive waste.
3. _____ Because of problems like excessive fishing, chemicals dumped in the oceans and similar factors, the world's oceans are in danger. If the Ocean systems collapse, thousands of animal species will become extinct, the balance between oxygen and carbon dioxide of our atmosphere will also be broken, causing life on the entire planet to be in serious danger.
4. _____ Humans depend a lot on fossil fuels for energy, but scientists believe that oil deposits are almost entirely empty. The question of how we will face that crisis is not answered yet. There are lots of political and economic interests involved, and that has caused the transition to sustainable energy sources to be difficult, since governments and economic powers are not moving away from fossil fuels easily. If we don't make that transition to solar power, wind power or other renewable sources of energy, the upcoming crisis may be terrible.
5. _____ Because of overpopulation, contamination, and other factors, many people are living in areas in which they do not have easy access to clean water.

Potable water is vital to the survival of every species on the planet. If we drink from contaminated sources, diseases like cholera and dysentery will spread. It is necessary to preserve fresh water.

7. _____ We are too many now. Our cities are growing and there is a direct relation between that growth and the reduction of resources. Biodiversity is dying, animal habitats are being destroyed to give way to the expanding urban centers where we live. In the last 70 years, the human population has grown from 2.5 billion to 7 billion people. Humans are now living longer lives because of the advance in medicine, but that means more people consuming resources in an accelerated way, faster than the planet can renew its resources.

6. _____ As a result of human gas emissions, the weather has become dangerous and unpredictable. The consequences we have observed until now are rising temperatures, drought (difficulty to find water), a degradation of air quality, humans having to leave their homes looking for food and water, diminishing natural resources and melting icebergs.

This has also caused a growth in the number and intensity of forest fires and tornados.



Activity 6: after reading: remember those huge billboards with ads on the streets? Create two of them with an image and a short text. In each you will represent one of the problems our expert Cole Minard presented in his text. On the side, write a short text explaining your billboard. Look at two examples.



This billboard refers to the problem of a virus like COVID-19. Humans are not immune to it, so it is important to wear masks.

This billboard refers to the problem of fossil fuels and the possible energy crisis. We need to start changing to renewable energy sources.



1.

2.



Answer Box:

Activity

5: 1. C 2. E 3. F

4. A 5. B 6. G 7. D

HANDS On 2

You have already understood and reflected on different environmental problems that our planet is experiencing. It's time to take action!



Activity 7: select one of the problems professor Cole Minard explained to us and create a short report about it in which you include:

- Information about what is causing the problem.
- The consequences it is causing.
- Possible solutions.

My report about... (Name of the problem)

What is causing this problem? _____

What consequences is it causing? _____

What are some possible solutions? _____



Activity 8: share your report. Do the people in your family feel that this problem is important?

Let's CHECK!



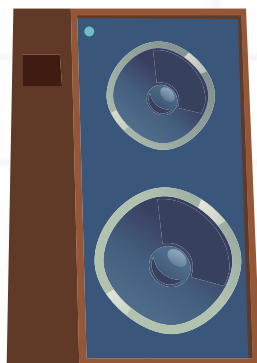
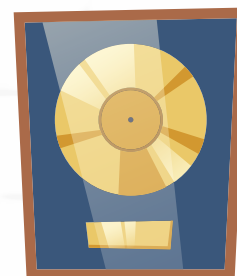
You now understand the vocabulary proposed in the context of the lesson. You also analyzed different environmental problems, their causes, consequences and possible solutions. It's time to use that information to create something.

Activity 9: using all the information you collected in your report, create a podcast (an online radio program) in which you are informing people about the problem you selected. In this podcast you will record your own voice, talking to your audience about what you wrote in your report. Once you have it ready, share it with your family and friends.

ON AIR



ON AIR





My LEARNING Progress

Congratulations! This is the end of this adventure! Now I know these words: *Everyone, degradation, collapse, proliferacion, landfill, renewable.*

Now I can:

Understand the vocabulary in the context of the preservation of the environment.

Analyze information found in articles on environmental protection.

Create a podcast to raise awareness on environmental protection.



It's time to evaluate your progress. For each description, write ✓ under Yes, Almost there, In progress or Not yet.

Description	Yes (90%-100%)	Almost there (80%-90%)	In progress (60%-80%)	Not yet (<60%)
I know these words: <i>everyone, Greenhouse Effect, Global Warming, landfill, renewable, drought.</i>				
I can <u>understand</u> the concept of green practices and going green.				
I can <u>analyze</u> information found in articles on environmental protection.				
I can <u>create</u> a podcast to raise awareness on environmental protection.				



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