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**European Union Programme for Education, Training, Youth and Sport 2014 – 2020**

**Type of the Project:** VET Strategic Partnership, Key Action 2

**Agreement Number of the project:** 2017-1-HU01-KA202-035972

**The title of the project:** “*European Carbon Footprint Optimisation*”

## LESSON PLAN

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### Goal

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Students will increase their knowledge about the different types of renewable energy resources by engaging in various activities that will help them understand the need of protecting the environment, promoting the use of renewable energy and creating a sustainable environment: an environment that contributes to greater health, happiness and safety.

### Objectives

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**Students will be able to:**

- Describe sources and uses of energy.
- Define renewable and non-renewable energy.
- Provide examples of common types of renewable and non-renewable resources.
- Understand and explain general ways to save energy at a personal, community and global level.
- Understand the benefits to using renewable resources.



Objectives	Theory and practical contents	Teaching strategies	Resources	Assessment	Duration
1. The Use of Energy	➤ Where and when we use energy.	Brainstorming Motivation	<b>Board Board Markers</b>	<b>Formative</b>	<b>10'</b>
2. A Sustainable environment	➤ Renewable energy resources	Drops of Light - visioning	<b>Video Sound System Computer</b>	<b>Formative</b>	<b>15'</b>
3. Protecting the environment	➤ The message of the film	Debate with oriented questioning  Written work	<b>Board Board markers</b>	<b>Formative</b>	<b>15'</b>



4. Sources of renewable energy	Sun, wind, water, earth	Drops of Light re-visioning	<b>Video</b> <b>Sound System</b> <b>Computer</b>	<b>Formative</b>	<b>10'</b>
5. The need to preserve the planet	The benefits of using renewable resources	Drops of Light re-visioning	<b>Video</b> <b>Sound System</b> <b>Computer</b>	<b>Formative</b>	<b>15'</b>
6. An environment that contributes to greater health, happiness and safety.	How to reduce the carbon footprint  Presentation of the carbon footprint calculator	Oriented questioning  Written work  Practice	<b>Board</b> <b>Board markers</b>  <b>Computer</b>	<b>Formative</b>	<b>15'</b>



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