

<b>Webquest title</b>	Renewable energy
<b>Involved Subjects</b>	Science, Information and communications technology, English
<b>Timing</b>	1h (classroom)+ 5h (homework) +2h (feedback)

<b>Leading in</b>	Topic presentation (Renewable energy and particularly wind energy)
Timing: 2 h (classroom)	

video (youtube)  
<https://www.acciona.com/renewable-energy/wind-power/>

	<p>What are renewable sources of energy?</p>  <p><i>www.golea.si</i></p>
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<b>Assigned Task</b>	<p>7 types of renewable energy          Renewable energy – what can you do?          Wind energy – general characteristics          Advantages of wind energy          Problems of wind energy          Conclusion</p>
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Erasmus+



Šolski center  
Nova Gorica

<b>Process</b>	<ol style="list-style-type: none"><li>1. Students are divided in four groups</li><li>2. Each group have one topic to discuss<ol style="list-style-type: none"><li>1. group: Renewable energy – what can you do?</li><li>2. group: Wind energy – general characteristics</li><li>3. group: Advantages ogf wind energy</li><li>4. group: Problems of wind energy</li></ol></li><li>3. Topics in common to discuss are:<ol style="list-style-type: none"><li>1. 7 types of renewable energy at the beginin gof the research</li><li>2. All toghether the students write the conclusion which we discuss in the classroom</li></ol></li><li>4. They elaborate the powerpoint presentation, each group discuss their topic in the classroom and choose appropriate image for the presentation</li><li>5. One student films the windmill one of the two windmills that we have in Slovenia</li><li>6. One student looks after the layout of the presentation</li></ol>
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**Resources:**

<https://www.acciona.com/renewable-energy/wind-power/>  
<https://www.golea.si/>  
<https://www.renewableenergyworld.com>  
<https://www.nrdc.org/stories/renewable-energy-clean-facts>  
<https://www.justenergy.com/blog/7-types-of-renewable-energy-the-future-of-energy/>  
<https://www.bloomberg.com/graphics/2019-can-renewable-energy-power-the-world/>  
<https://www.ge.com/renewableenergy/wind-energy/what-is-wind-energy>  
<https://www.awea.org/wind-101/basics-of-wind-energy>  
<https://www.disruptordaily.com/future-of-energy/>  
<http://windeis.anl.gov/guide/basics/>

**Tools:**

Smarthphone

**Learning Goals:**

After completing the WebQuest assignment, you will:

- a) Know:
  - the meaning of the renewable energy
  - the importance of renewable energy
  - about wind energy in Slovenia
- b) Be able to read an informative text regarding a specific thematic area
- c) Be able to discuss the topic of renewable energy in classroom
- d) Improve your level of participation in school life

Acquired key competence	Social Skills	Learnt knowledge and contents
<ul style="list-style-type: none"> <li>• Critical thinking</li> </ul> Data interpretation <ul style="list-style-type: none"> <li>• Digital and technology-based competences</li> <li>• Communication in foreign languages</li> <li>• Cooperation and communication in team</li> </ul> <ul style="list-style-type: none"> <li>• Able to select products in order to become a conscious consumer</li> </ul>	<ul style="list-style-type: none"> <li>• Capacity to collaborate with peers.</li> <li>• Social awareness related to the topic</li> <li>• Capacity to present the topic to the others</li> </ul>	<ul style="list-style-type: none"> <li>• Informational text and video</li> <li>• Knowledge of the renewable energy</li> <li>• Know which are the positive and negative things about renewable energy</li> </ul>