

100 PERCENT RENEWABLES?



A world powered by 100% renewables seems like a fantasy.

Save the Planet Energy!

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Subject: Biology, Physics and lessons related to STEAM

Topic: Renewable Energy – Future Energy

Age of students: 10 – 12 years old (20 pupils divided in 4 groups of 5 persons each)

Preparation time: at home – 3 hours

Teaching time: 2 hours



Online teaching materials



- Next lab that contains IBL lessons
- Tricider in order to have a feedback and identify their misconceptions concerning the subject so that the learning scenario can be adapted with the new data
- Plan a new learning scenario adapted to the needs of the pupils
- Adaptation of IBL and follow of the rules
- Preparing the worksheets that will be distributed to the pupils in order to promote collaboration
- Offline materials:
- Paper, glue, phones



Aims of the lesson

- Cognitive – to know (more) about renewable – future energy
- To identify different types of energy – advantages and disadvantages
- Abilities – to work together as a team
- Attitudes
- To encourage them about the use of Ren. Energy
- To disseminate the results to their families and the society in general



Stages of the future classroom lab

- 1. Investigate, discover, research
 - 2. Create, execute
 - 3. Exchange, encouragement and support
 - 4. Develop
 - 5. Interact
- The 6th stage (Present) will take place in all stages in order to have a feedback from the classroom. (Stages 3, 4 and 5 are included throughout the whole process of learning)



