Supplementary Materials: Towards a Sustainable Future through Renewable Energies at Secondary School: An Educational Proposal

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1. Resources concerning *Renewable Energy Week*

1.1. Socrative quizzes

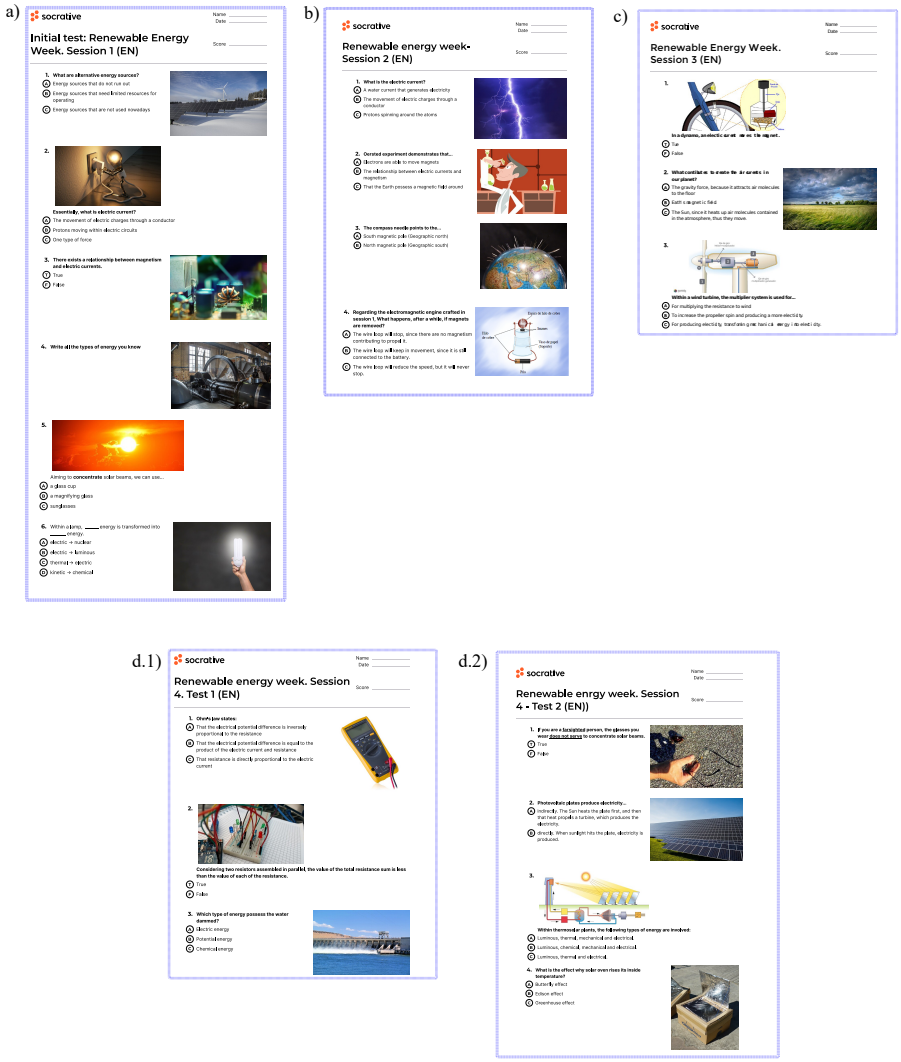


Figure S1. Socrative quizzes for *Renewable Energy Week*, a) Initial test, b) Quiz related to Session S1, c) Quiz related to Session S2, d.1) Quiz related to Session S3 and d.2) Quiz related to Session S4.

1.2. "Scientific sheets"

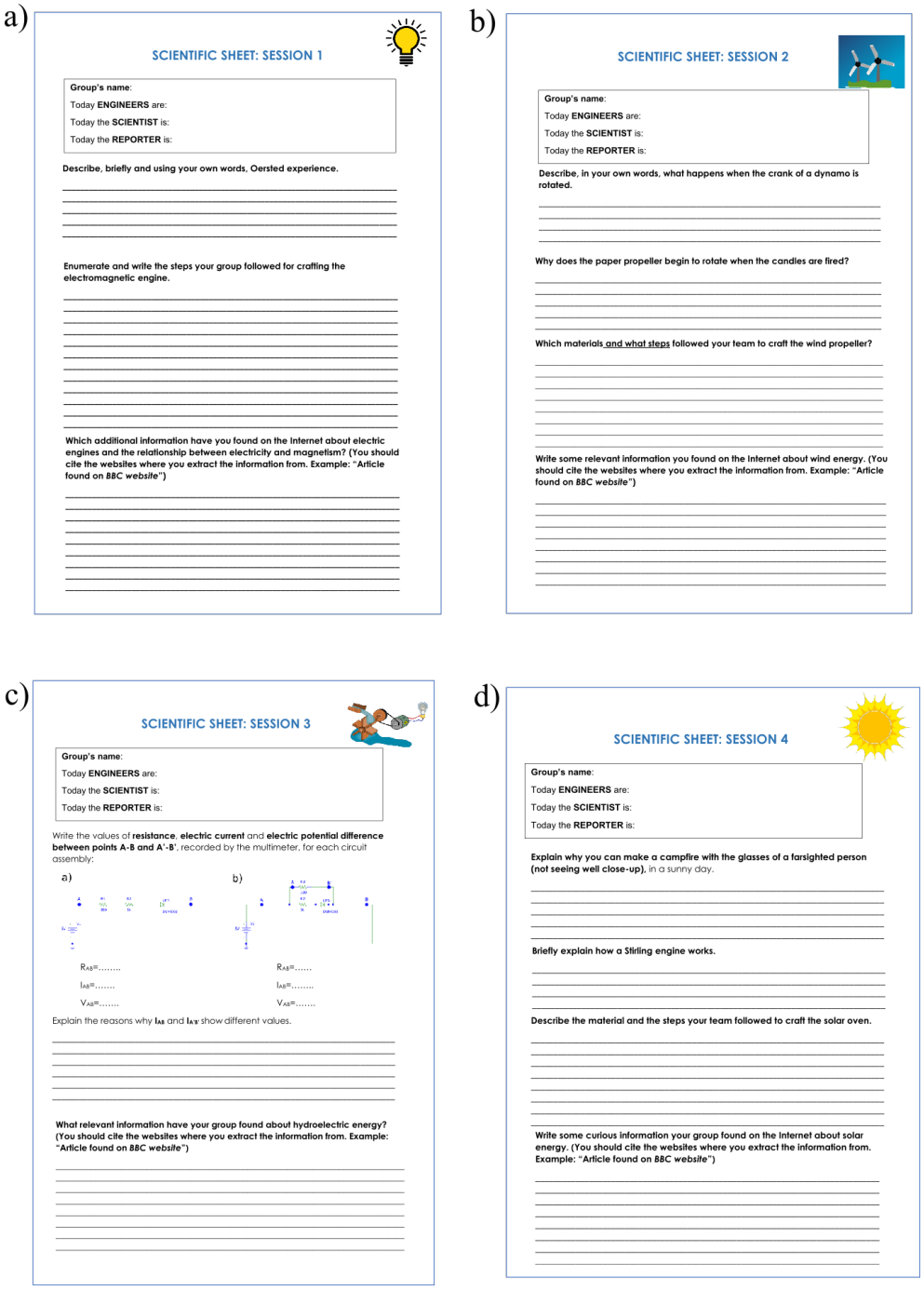
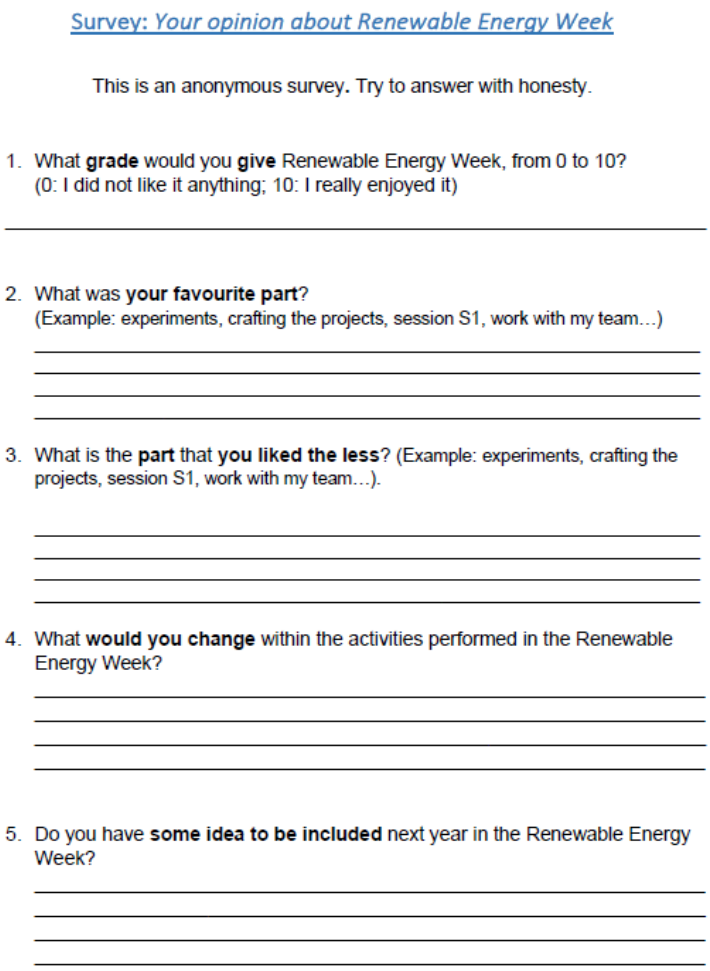


Figure S2. Scientific sheets designed for *Renewable Energy Week*, a) Session S1 sheet, b) Session S2 sheet, c) Session S3 sheet and d) Session S4 sheet .

1.3. Final survey



Survey: *Your opinion about Renewable Energy Week*

This is an anonymous survey. Try to answer with honesty.

1. What **grade** would you **give** Renewable Energy Week, from 0 to 10?
   (0: I did not like it anything; 10: I really enjoyed it)

2. What was **your favourite part**?
   (Example: experiments, crafting the projects, session S1, work with my team…)

3. What is the **part** that **you liked the less**? (Example: experiments, crafting the projects, session S1, work with my team…).

4. What **would you change** within the activities performed in the Renewable Energy Week?

5. Do you have **some idea to be included** next year in the Renewable Energy Week?

Figure S3. Session S4. Final survey about *Renewable Energy Week*

2. Scientific basis, materials and experimental methods

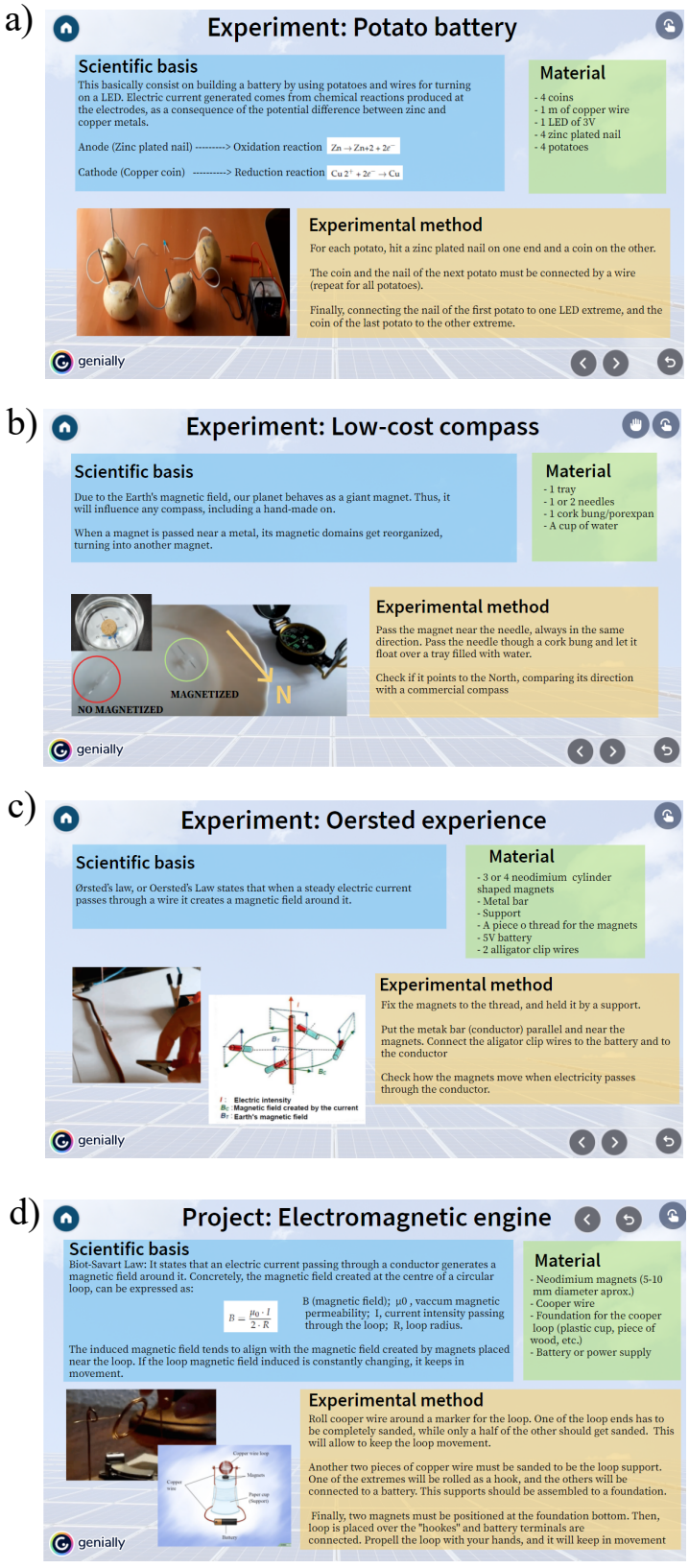


Figure S4. Session S1. Scientific basis, materials and experimental method of: a) Potato battery experiment, b) Low-cost compass experiment, c) Oersted experience and d) Electromagnetic engine project.

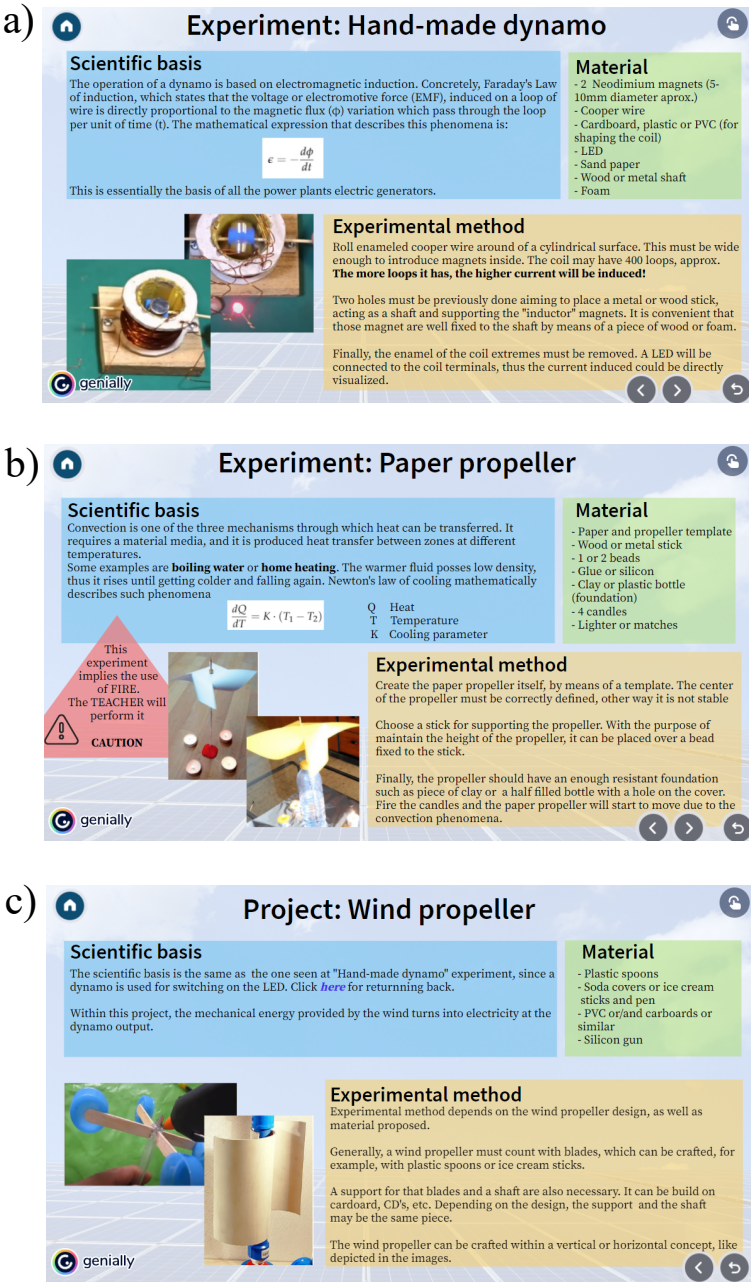


Figure S5. Session S2. Scientific basis, materials and experimental method of: a) Hand-made dynamo experiment, b) Paper propeller experiment and c) Wind propeller project.

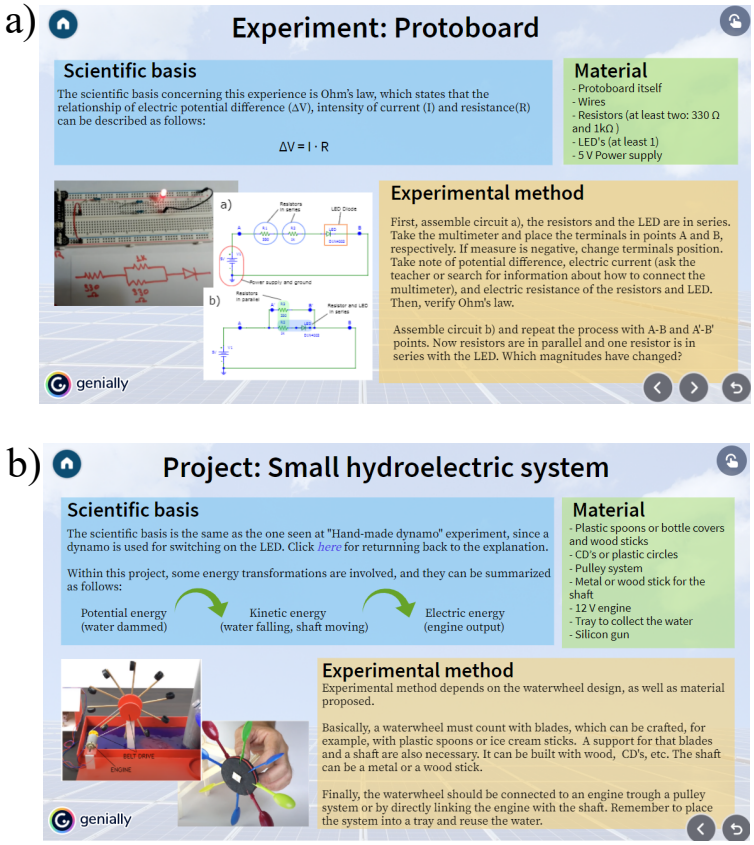


Figure S6. Session S3. Scientific basis, materials and experimental method of: a) Protoboard experiment, b) Small scale hydroelectric system.

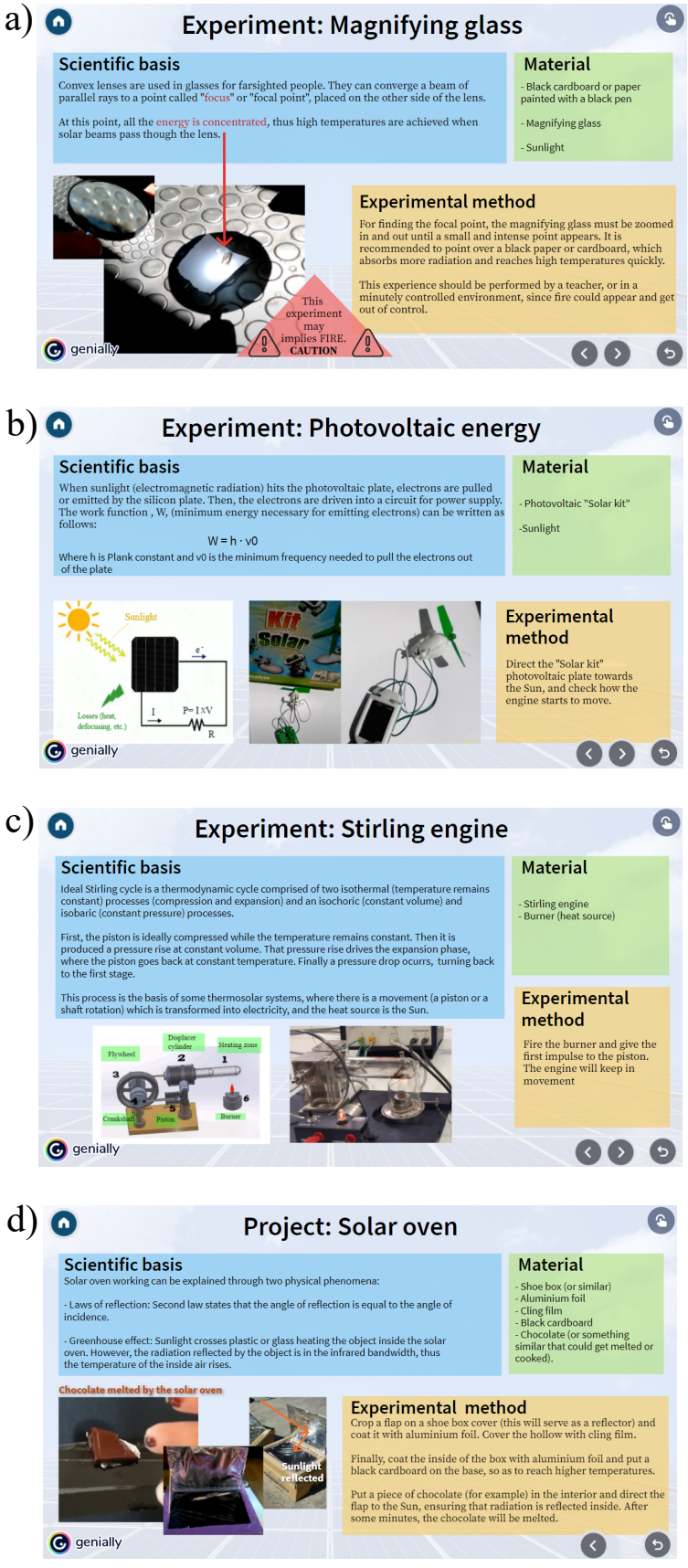


Figure S7. Session S4. Scientific basis, materials and experimental method of: a) Magnifying glass experiment, b) Photovoltaic energy experiment, c) Stirling engine experiment and d) Solar oven project.