

Green Machines

(3-week course)

Unit 1 focuses on SunEzoon Solar Car; requires 8.5 to 12.5 class periods.

Unit 2 focuses on Wind Energy; requires 5 to 6 class periods.

Note: The two units together require 15 to 20 class periods.

Unit 1 – SunEzoon Solar Car

Teacher

Students

1 Class

Pretests from *SunEzoon Cars* and *Wind Energy Teacher's Guides* (optional)

- Photocopy the assessments from pages 113-114 from the *SunEzoon Cars Teacher's Guide* and from page 94 from the *Wind Energy Teacher's Guide*. Distribute to students.
- Take the assessments.

Reading Assignment from *SunEzoon Cars* and *Wind Energy Teacher's Guides*

- Assign students to read page 108 from the *SunEzoon Cars Teacher's Guide* and page 89 from the *Wind Energy Teacher's Guide*.
- Lead a discussion about the information.
- Read page 108 from the *SunEzoon Cars Teacher's Guide* and page 89 from the *Wind Energy Teacher's Guide*.
- Discuss the information in class.

Teacher

Students

1/2 Class

Basic Construction Techniques from *Dr. Zoon SunEzoon Video*

- Have the class watch the *Dr. Zoon SunEzoon Video*.
- Watch the *Dr. Zoon SunEzoon Video*.

Teacher

Students

1 Class

Initial SunEzoon Car Build from *SunEzoon Car User Guide*

- Provide students the SunEzoon Car Kits with the user guides and any necessary tools or materials.
- Construct a solar vehicle following the user guide with the SunEzoon Car Kit.