



## SPECIAL ITINERARY PROJECT

NAME: \_\_\_\_\_

TEACHER: \_\_\_\_\_

GRADE LEVEL: \_\_\_\_\_

### HOW TO MAKE A POP BOTTLE LIGHT BULB

1. Watch the video, "A Liter of Light at Night": [https://www.youtube.com/watch?v=cQCHvO2H0\\_0](https://www.youtube.com/watch?v=cQCHvO2H0_0)

2. Answer the following questions:

• The people using this light bulb are "Filipinos". In which country do Filipinos live? \_\_\_\_\_

• Why do these people need a pop bottle light bulb? \_\_\_\_\_

• What activities will the light bulb allow these people to do that they couldn't before? \_\_\_\_\_

3. Make your own pop bottle lightbulb by following the instructions here:

<http://www.instructables.com/id/How-to-build-a-SOLAR-BOTTLE-BULB/>

4. *Test it out in a dark room!*

#### **Optional Activity (worth one more stamp):**

1. *Build a miniature home and install the lightbulb on the roof.*

2. *Make sure it has a window or doorway that allows people to look inside.*

3. *Present your home to the class and demonstrate how the lightbulb works!*

PARENT SIGNATURE: \_\_\_\_\_

TEACHER SIGNATURE: \_\_\_\_\_



**BRING THIS FORM TO CHECK DAY TO EARN A SPECIAL ITINERARY STAMP!**