

## Engineering Never Ends!

If you were going to keep making your prototype better, what modifications would you make next and why? \_\_\_\_\_

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What other ideas do you have for night lights you could make using the wireless electricity module? \_\_\_\_\_

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# Good Night Light

(with wireless electricity modules)

Engineer: \_\_\_\_\_

Additional Engineering Team Member(s)

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Designed by Anna Heyer, Sherrie Dennis, and DaNel Hogan

More STEMAZing Sciencing and Engineering Journals,  
like this one, can be found here:

<https://stemazing.org/stemazing-sciencing-and-engineering-journals/>



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## Who has a problem?

Young (and older) people who are afraid of the dark



## What is the problem?

Someone who is very afraid of the dark can only fall asleep if their room has some soft lighting.

## Engineering Design Challenge:

Using a wireless electricity module and other supplies, design a fanciful night light, which will provide soft lighting for a person who is afraid of the dark.

## Engineering Design Story

Who came up with the original idea? \_\_\_\_\_

How did you work as a team to develop the idea for your prototype plan? \_\_\_\_\_

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Describe something your engineering team tried that did not work. What was your solution? \_\_\_\_\_

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What other idea from your engineering team's Idea Post brainstorming would you like to prototype and why?

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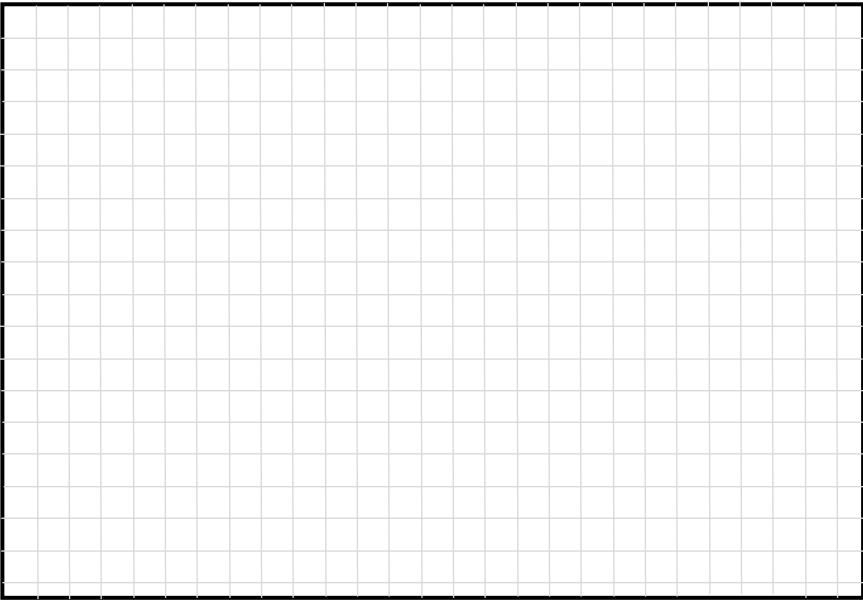
# Marketing

Name of Product \_\_\_\_\_

Slogan \_\_\_\_\_

\_\_\_\_\_

Company or Product Logo



Key Features \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

# Wireless Electricity Module Exploration

What did you notice? \_\_\_\_\_

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What do you wonder? \_\_\_\_\_

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\_\_\_\_\_

## Criteria (requirements for success)

- Night light can be turned on and off.
- Night light provides soft lighting to a dark room
- Night light is a fanciful design and visually appealing to a small child
- \_\_\_\_\_  
\_\_\_\_\_
- \_\_\_\_\_  
\_\_\_\_\_

## Constraints (limitations)

- Uses only supplies from the materials list.
- Is smaller than a 5 inch x 5 inch x 5 inch cube
- \_\_\_\_\_  
\_\_\_\_\_
- \_\_\_\_\_  
\_\_\_\_\_

Time Limit (due date): \_\_\_\_\_

Left blank for optional engineering design process iterations and/or peer or customer review.

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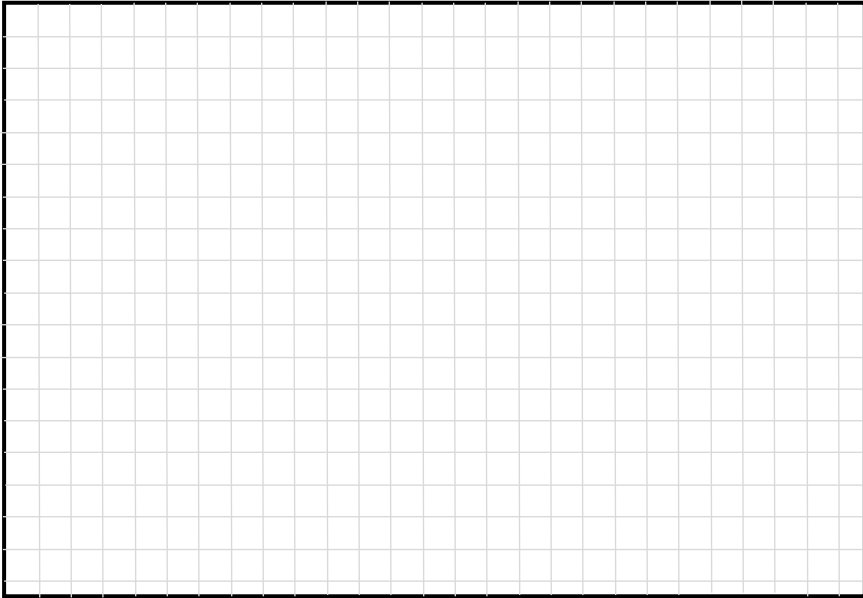
## Brainstorming Idea Post

Place Idea Posts here with your favorite idea on top.

Place Idea Posts here with your second favorite idea on top.

## Prototype Plan

Draw and describe what your engineering team is going to make using the waste stream you selected. Be sure to label your drawing.



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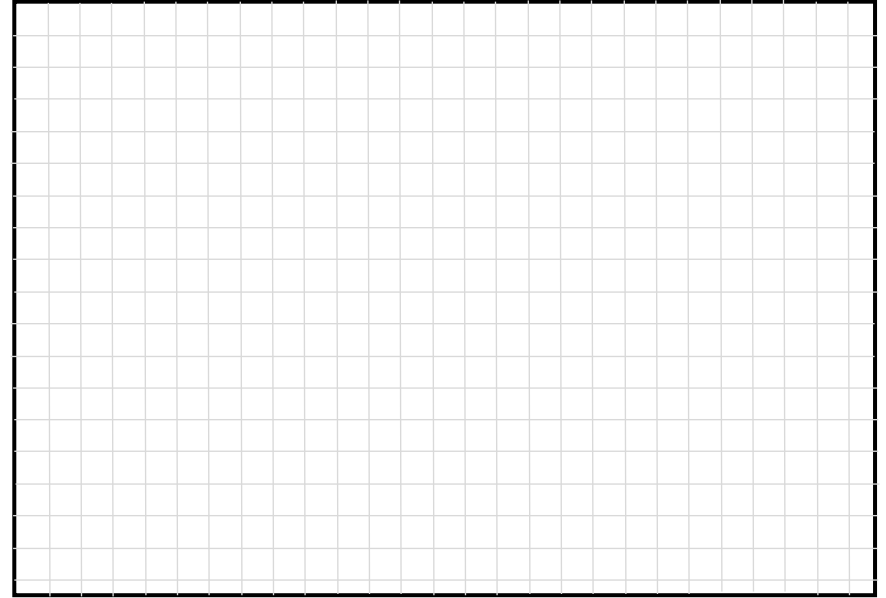
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## Actual Prototype

Draw or paste a picture of your actual prototype below. Be sure to label your drawing/photo. Describe modifications you made to your prototype plan.



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