

REcharge Labs Fireflies

Objectives: As a result of this activity, students will know the parts of a wind turbine, be able to use the engineering design process and scientific method, understand energy conversions and transfers, and design a wind wheel for the firefly that can light up an LED.

For kids of all ages, discovering wind energy using the firefly™ is easy, fun and affordable. The firefly is a small turbine designed to light an LED when placed in the path of wind. Use your firefly to display how wind can generate electricity! The firefly is simple to assemble and requires no tools.

This kit includes:

- Tubing
- Pencils
- Propellers
- LED lights
- Screw hubs and acorn nuts
- Nacelles
- Generators

NOT included:

- Fan (or 2)
- Rulers
- Pencils
- Scissors
- Pencil sharpener
- Cardsotck templates of wind wheel



*Any materials that are lost or broken during classroom use must be replenished before being returned.