



Time / Cost Estimate

Time: Prep - 20 min to 1 hr / Active - 30 min

Wrapping the wire is the most time consuming part of the activity; if this is done as part of the prep, then students can spend more class time using the generator.

Initial Cost: \$25.00

Many of the materials included in the cost estimate, such as enamel-coated copper wire, LEDs and alligator clips, are commonly found in schools. The spherical magnet will need to be ordered online. The cost assumes that only one generator will be constructed. For each additional generator, budget 25 dollars. In future years, the activity can be performed repeatedly with virtually no cost.