



Time / Cost Estimate

Time:

Pop Bottle Windmill - Prep - 1 hr / Active - 1 hr

The prep time is the time required to cut the balsa wood into pieces, drill, collect supplies and allocate the supplies appropriately to each student.

Ten-foot Outdoor Windmill - 10 hr / Active - 1 hr

The prep time will need to be spread out over a couple of days to allow for components to dry. Once the windmill components are constructed, the windmill can be used in subsequent years with minimal prep time.

Initial Cost:

Pop Bottle Windmill - \$4.00 per windmill

The initial cost to construct one windmill is around four dollars. However, if constructing a wind farm, the price becomes substantially cheaper per windmill. The balsa wood will have to be purchased in bulk, but will provide enough material for over 100 windmills. Many of these materials can be brought from home.

Ten-foot Outdoor Windmill - \$180.00

The substantial cost can be justified because the windmill can be used by the whole school. Additionally, the windmill can be used in subsequent years.