



a WOW Lab

# BLUEPRINT

## The Glovely Digestion Model

## Time / Cost Estimate

**Time: Prep - 1 hr / Active - 15 min**

Construction of the model is best accomplished by having all the necessary tools, materials and instructions on hand and by reading through the instructions before beginning. The assembly is broken up into three stages (see *Prep Instructions*). The first two stages will take approximately 10 minutes each, and the last stage will take around 15 minutes. An additional 5-10 minutes will need to be allocated for drilling the Plexiglas sheet. Drill the Plexiglas carefully to avoid cracking it. Ensure that all plumbing fixtures are screwed in tightly and that all seals are strong.

**Initial Cost: \$60.50 - \$98.50**

The majority of the cost for this activity consists of the purchase of the Plexiglas sheet, plumbing equipment and laboratory equipment, such as a clamp stand. The lab equipment may be present at the school already or could be borrowed from a local high school; however, there are alternatives to some of the more expensive items (see *Shopping List*).

Only low-costing consumable items, such as the cookies, baking soda and vinegar, need to be purchased for future demonstrations.