



Time / Cost Estimate

Time: Prep - 1 hr 15 min / Active - 45 min

Assembling the model can be fairly time-consuming. It is a tricky process to form the precise holes in the pop bottles. Several attempts may be required before a decent fitting is achieved. A tight seal is key in order to prevent leakage.

The active time includes enough time for all members of the class to operate the model. Once the red food colouring has diffused around the heart model, the fluid from the model can be emptied or further food colouring can be added. Refilling the model will only take a few extra minutes, but has the potential to get messy.

Initial Cost: \$27.90 - \$37.90

The lower cost estimate does not include the *Lung Activity*.

Only a few materials are required for both activities (*Cardiac Pop Pump* and *Lung Activity*), many of which can be found around the classroom or home. Pop bottles can be brought in by students. The major expense is the plastic tubing that will represent blood vessels. However, the tubing can be reused year after year. All of the other materials are easy to find and relatively cheap.