

Shad in the Classroom
Shad Tank Parts

Tank Components

Frame:

- Two square frames labeled top and bottom.
- Four legs with labels at top and bottom (i.e. 4A); one with power strip attached
- Plywood square with large hole in middle
- 16 carriage bolts, 16 washers, and 16 wing nuts

Lower reservoir – 16 gallon red tub with no holes in it

Upper reservoir – 16 gallon red tub with PVC pipe attached above and below; filter covering top and holes near top of center stand pipe

Pump and tube assembly – 6ft. long piece including pump, clear vinyl tubing, valve, and clear PVC end

Bio balls – light blue balls in a 5 gallon bucket

Egg chamber – clear PVC tube with cap attached to wood

C-clamp – used to attach egg chamber to side of upper reservoir

Fry chamber – clear plastic container

Siphon – 1/2” tube with filter at one end and attached binder clip

Stand pipe cover – 2” white PVC with filter covering top of pipe and holes in bottom

5 gallon bucket

Power strip

Other Materials

ChlorAm-X (you will probably need to purchase new in future years)

Dr. Tim’s One and Only Bacteria Starter (you will definitely need to purchase new in future years)

Freshwater Master Test Kit

Chlorine Test Kit

Floating thermometer

Aquarium net

Turkey baster

1 gallon bucket

Pipettes and petri dishes

You will need to supply

2 Liter bottles, to be filled with water and frozen, for temperature control

Dr. Tim’s One and Only Bacteria Starter (after year 1)

ChlorAm-X (after year 1)

Refills on water chemistry test kits (after year 1)

[The Museum has purchased these products from different vendors through Amazon.com in the past.]