Biomedical Engineering and the Heart (8-9)

Project Equipment (tools used throughout week or common household items)

- 1 - Crayola Air-Dry clay bucket, 2.5 lbs, (possible substitutions: any with air-drying clay if this is not readily available… )
- 1 - Duct tape
- 1 - Scissors
- 1 - Model Glue
- 1 - Black Marker
- 1 - Scotch Tape
- 5-10 pieces- Paper for drawing plan of heart
- 1 - Pencil
- 1 - Eraser
- 1 - Ruler

Materials for making heart pump and tubing
REQUIRED:
- 2 - 35cc. syringes
- 5- Three way plastic tubing connectors
(possible substitutions: any three-way connector from Home Depot can also work for this purpose)
- 10 feet- Clear vinyl tubing w/ ⅜" inner diameter & ¼" outer diameter
(possible substitutions: any small-sized tubing proportionate to a life-sized (approximately the size of a fist) heart, bendy straws)

OPTIONAL
- Play-Doh, red
  *if wanting to make a red heart, can also be purchased at CVS, Walgreens, etc.
- Food coloring, set of 4
- Any piece of fabric or beads, for decoration