

## **Biomedical Engineering and the Heart (8-9)**

Pro	ect E	qui	pment	(tools	used	through	ghout	week o	or common	househ	old	items)

Project Equipment (tools used throughout week or common household items)
□ 1 - Crayola Air-Dry clay bucket, 2.5 lbs, (possible substitutions: any with airdrying 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/ 3/8" inner diameter & 1/4" outer diameter (possible substitutions: any small-sized tubing proportionate to a life-sized (approximately the size of a fist) heart, bendy straws)

## <u>OPTIONAL</u>

- ☐ 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