# Building a Better Organ

## Summary

Students will read about the development of the artificial heart and then choose from a list of organs to design a "working" model of one of them.

### Time Frame

3 class periods of 60 minutes each

## Group Size

**Small Groups** 

### Materials

#### - student sheet

(attached)
craft sticks
odds and ends
rubber bands
springs
tape
scissors
plastic tubing
packing materials
plastic wrap
game stuff

### **Background for Teachers**

things students bring in

#### Time Needed:

180 minutes spread over several days.

### Instructional Procedures

#### Day one-40 minutes

Begin with the Opinionaire and Artificial Heart reading activity. It is on this website.

Gather as much "stuff" as you can, run off student sheets.

#### Day two-45 minutes

Read introduction and procedures with students.

Organize students into groups of 3-4 and begin the research component of the task. Students must first pick their organ.

Have students decide who is bringing in the materials they need if it is more than you can provide.

#### Day 3-45 minutes

Allow time to build the organ and test it.

Day 4-40 minutes

Student groups will share their product with the class.

# Bibliography

Lesson Design by Jordan School District Teachers and Staff.

# Authors

Utah LessonPlans