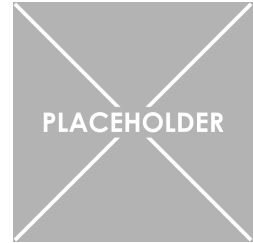


## Water Parabola

Key words: Parabola, pressure, fluid, rotation



### **Equipment List:**

1. Acceleration tank filled with water
2. Pasco Rotating Platform Base

### **How to assemble and operate:**

- Place the tank onto the platform
- Fill the tank with water (and optionally food colouring)
- Rotate the tank until the surface becomes a parabola

### **Description/Theory:**

This demonstration illustrates the deformation of a surface under rotation to equalise pressure.

### **Comments/Notes:**