Thermodynamics

- Boyle's and Gay-Lussac's Laws Projection Apparatus
- Critical Point of CO2
- Crush Soda Can With Atmospheric Pressure
- Electrical Equivalent of Heat
- Fire Piston
- Ignite Hydrogen Balloon
- Imploding Oil Drum
- Liquid Nitrogen Bomb
- Magdeburg Hemispheres
- Radiometer
- Stirling Engine
- Sulfur Hexafluoride Boat
- Thermoelectric Motor
- Vacuum Cannon

Statistical Mechanics

- Gaussian Distribution Machine
- Irreversible Mixing Marbles
- Kinetic Theory Apparatus
- Kinetic Theory Projection Apparatus

Fluid Dynamics

- Bernoulli Ping-Pong Ball
- Blow Over Sheet of Paper
- Smoke Rings
- Un-mixing
- Walking on Water and Cornstarch