# Physics with a Bang!

## Mechanics
- Bowling Ball Pendulum
- Fire Extinguisher Cart
- Self-Synchronizing Metronomes

## Electricity and Magnetism
- Eddy Current Pipe
- Resistance of Wire at Low Temperature
- Superconductor Train
- Van de Graaff Lights Fluorescent Lamp

## Waves and Optics
- Breaking a Beaker with Sound
- Singing Corrugated Tube

## Thermodynamics and Fluid Dynamics
- Blow Over Sheet of Paper
- Ignite Hydrogen Balloon
- Imploding Oil Drum
- Liquid Nitrogen Bomb
- Smoke Rings
- Sulfur Hexafluoride Boat
- Un-mixing
- Vacuum Cannon
- Walking on Water and Cornstarch