# Physics with a Bang!

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<th>Mechanics</th>
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<th>Waves and Optics</th>
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<td>Eddy Current Pipe</td>
<td>Breaking a Beaker with Sound</td>
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<td>Fire Extinguisher Cart</td>
<td>Resistance of Wire at Low Temperature</td>
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<td>Self-Synchronizing Metronomes</td>
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<td>Van de Graaff Lights Fluorescent Lamp</td>
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## 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