

CD/DVD Title & Track Listing

Aeronautics CD

1. Air Pressure and Aeronautics
2. Kites
3. Rockets

Electricity & Robotics CD

1. Electricity, Part 1
2. Electricity, Part 2
3. Burglar Alarms
4. Robotics

Physics of Motion & Sound CD

1. Pulleys & Levers
2. Sonic Vibrations
3. Roller Coaster Physics
4. Building Bridges

Physics of Light CD

1. Light
2. Lasers
3. Astronomy

Aeronautics DVD

1. Soda Can Trick
2. Fountain Bottle
3. Squished Balloon
4. Sneaky Bottles
5. Streaming Water
6. Magic Water Glass Trick
7. Air Takes Space
8. Ping Pong Funnel
9. Hot Air Balloons
10. Genie in a Bottle
11. Squished Soda Can
12. Rigid Flyers
13. Flying Paper Machines: Plane 1
14. Flying Paper Machines: Troubleshooting
15. Flying Paper Machines: Plane 2
16. Flying Paper Machines: Plane 3
17. Flying Paper Machines: Plane 4
18. Flying Paper Machines: Plane 5
19. Flying Paper Machines: Plane 5
20. Ring Thing
21. Helicopters
22. Butterflying Cups
23. Bat Kite
24. Tetrahedral Kite
25. Diamond Kite
26. Dragon Kite
27. Sled Kite
28. Rotor Kite
29. Paper Blow-Gun Rocket
30. Water Rockets
31. Seltzer Rockets
32. Slingshot Rockets

Electricity DVD

1. Static Electricity
2. Basic Electrical Circuits
3. Simple Switches
4. Complex Switches & Motors
5. Trip Wire Burglar Alarm
6. Pressure Sensor
7. Homemade DC Motor
8. Relays and Telegraphs
9. Waterbots
10. Jigglebot
11. Racerbots
12. Wired Remote Control
13. Nerve Tester
14. Additional Burglar Alarms

Physics of Motion and Sound DVD

1. Exponential Friction
2. Pulley Tug-Of-War
3. Block & Tackle
4. Return Pulley System
5. Homemade Pulley
6. Homemade Hornets
7. Harmonicas
8. Air Horns
9. Fast Catapult
10. Bobsleds
11. Hydraulics & Pneumatics (Earth Mover)
12. Roller Coaster Physics
13. Additional Physical Motion
Experiments: Levers
14. Additional Physical Motion Project:
Potato Cannon

Physics of Light & Lasers & Astronomy DVD

1. Rainbow Shadows
2. Pinhole Camera
3. Spectrometer
4. The Optics of Telescopes & Microscopes
5. Homemade Diffraction
6. Mixing Light
7. Kaleidoscopes
8. Liquid Prism
9. Benham's Disk
10. Simple Laser Experiments
11. Laser Maze
12. Laser Light Show
13. Advanced Laser Light Show, Part 1
14. Advanced Laser Light Show, Part 2
15. Advanced Laser Light Show, Part 3
16. Advanced Laser Light Show, Part 4
17. Advanced Laser Light Show, Part 5
18. Advanced Laser Light Show, Part 6
19. Satellite Crash
20. Meteorites
21. Star Charting
22. Cosmic Rays

Hovercraft DVD

1. Introduction
2. Parts & Materials
3. Hover Motor
4. Thruster Motor
5. Wiring the Circuit
6. Shroud & Vane
7. Weight & Balance