



## Physics, Fun, and Beyond: Electrifying Projects and Inventions from Recycled and Low-Cost Materials

By Valadares, Eduardo de Campos

Prentice Hall, 2005. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Preface. Acknowledgments. About the Author. How to Get Going. FUN WITH MECHANICS. 1. The Magic Can. 2. How the Weak Become Strong (Structuring Materials). 3. Stepping on Eggs. 4. Thin and Fat Balloons. 5. Pierce Balloons without Popping Them. 6. Stretching Carrousel. 7. A Paper Saw? 8. Globe of Death. 9. Flattening the Earth at the Poles. 10. Wild Paints. 11. Astronaut in the Elevator. 12. Washing Machine: Water Extractor. 13. The Square Wheel and Others. 14. Balloon Rockets. 15. Rockets with Chemical and Air Propulsion. 16. Water Rockets. 17. Bouncing Balls. 18. Temperamental Pendulums. 19. Hypersensitive Rings. 20. Bed of Nails. 21. Bed of Rulers. 22. The Submarine. 23. Water Amplifier (Water Transistor). 24. Hydraulic Elevator. 25. Hydraulic Robots. 26. Drawbridges. 27. Circumventing Obstacles: How Air and Water Streams Find Their Way. 28. Juggling Balloons. 29. Air Streams on Top of Cars, Roofs, and Mountains. 30. Make Your Own Sprayer. 31. Wind Tunnel. 32. Unwanted Ball. 33. Outsmarting Friction (Flying Saucer). 34. Wheel That Rolls Uphill. 35. The Ballerina's Trick. 36. The Bicycle's Trick. 37. Accelerometer. 38. Raw or Hard-Boiled Egg. 39....



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