



to Read



INVENTORY OF TRUNK

Powered by the Wind

Activity Binder

- Introduction/ Instructions
- Introduction/ Book list
- Inventory Sheet
- Pictures of trunk organization
- Wind Cars
- Air Paintbrush
- Powered by Light: Solar Cells
- How Many Ways to Turn on a Light?
- Windmills
- Consumable and Restocking List
- Windmill Blade Template
- Wind Car Sail Templates (4 patterns)
- Using a Digital Multimeter to Test Voltage
- Powered by the Wind Supplement
- Make a Pinwheel- Curious George
- Make Your Own Pinwheel
- Pinwheel Pattern
- Project Paper Pinwheels
- Introducing Wind Power: Essentials for Bringing It into the Classroom*
- Electricity from the Wind*
- Energy Fuel for Thought*
- How do windmills generate power?*
- What's Really Going on in Electric Circuits?*
- What exactly is energy?*
- What Children Gain by Learning Through Inquiry*
- The right question at the right time*
- Parent surveys
- 5 laminated activity sheets

Books

- Gilberto and the Wind* by Marie Hall Ets
- Energy Makes Things Happen* by Kimberly Brubaker Bradley
- The Windy Day* by Anna Milbourne and Elena Temporin

- Hot Air: The (Mostly) True Story of the First Hot-Air Balloon Ride* by Marjorie Priceman
- The Wind Blew* by Pat Hutchins
- Like a Windy Day* by Frank Asch & Devin Asch
- The Boy Who Harnessed the Wind* by William Kamkwamba and Bryan Mealer
- I Face the Wind* by Vicki Cobb
- Can You See the Wind?* By Allan Fowler
- Air is All Around You* by Franklyn M. Branley
- Pinwheel* by Salina Yoon

Bin: Windmills

- 4 pre-made “party” windmills
- 2 bags of Knex pieces for windmills
- 3 bags of pre-made windmill blades
- 4 pegboards (not in bin)

Bin: Air Paintbrush

- Envelope of white copy paper
- Bag of pipettes
- Drinking straws
- 4 Paint cups with lids and funnel lids
- Bottle of blue tempera paint
- Bottle of red tempera paint

Bin: Powered by Light: Solar Cells

- Solar cell- monkey
- Solar cell- pandas
- Solar cell- frog
- Solar cell- red flower
- Solar cell- white flower
- Solar cell- sun
- Solar cell- black beetle
- Solar cell- gold beetle
- Clip on LED desk lamp
- 4 flashlights

Bin: Wind Cars

- 6 car bodies (4 not in bin)
- 52 wooden dowels
- Bag of foam sails

Bin: How Many Ways to Turn on a Light?

- 2 Wire strippers
- Digital Multimeter
- Electrical tape
- AA batteries
- 2 hand generators

- 2 solar cells
- 2 battery holders
- 2 buzzers
- 2 LEDs
- 2 motors
- 2 windmills
- 12 cables
- Directions: Using a Digital Multimeter to Test Voltage
- 2 Energy Conversion Kit Study Guides

Supplemental bin:

- 2 desk fans