



to Read

# INVENTORY OF TRUNK

Imagine! Design! Make!



## Activity Binder

- Introduction/ Instructions
- Introduction/ Book list
- Inventory Sheet
- Letter to Librarian
- Cardboard Building
- Cardboard Circuits
- Kinetic Sculptures
- Graphite Circuits
- Magnetic Towers
- Consumable and Restocking List
- Questions to Support Learning
- Science Process Skills
- CREATE Acronym
- Making Deeper Learners: A Tinkering Learning Dimensions Framework v 2.0*
- Balance Supplement
- What Words to Use?
- Art History: The Evolution of Hypnotic Kinetic Sculptures*
- Magnets Supplement
- What Words to Use?
- Magic of Magnetism
- How do magnets work?
- Magnetism Basics
- What is a circuit?
- What is an electrical circuit?
- Series Circuits
- Parallel Circuits
- Noun and adjective descriptors (for Cardboard Building activity- please make copies!!)
- Parent surveys
- 4 laminated activity sheets

## Books

- Iggy Peck, Architect* by Andrea Beaty
- I have an Idea!* by Herve Tullet
- Magnets Push, Magnets Pull* by David A. Adler and Anna Raff
- Magnet Max* by Monica Lozano Hughes and Holly Weinstein
- Oscar and the Bird: A Book About Electricity* by Geoff Waring
- Rosie Revere, Engineer* by Andrea Beaty
- Rosa Pioneara, Ingenieria* by Andrea Beaty
- Sandy's Circus: A Story About Alexander Calder* by Tanya Lee Stone and Boris Kulikov

- The Story of Buildings: From the Pyramids to the Sydney Opera House and Beyond* by Patrick Dillon
- The Three Little Pigs: An Architectural Tale* by Steven Guarnaccia

#### Bin: Cardboard Building

- 150 pieces cardboard cutouts
- Laminated noun descriptor cards
- Laminated adjective descriptor cards
- Container of powdered graphite
- Gallon zip top bag of circuit extras (AAA battery holders, brass fasteners, paper clips, wire strippers, binder clips, coin batteries, mallet, foil tape)

#### Bin: Kinetic Sculptures

- 3 balancing stands
- 200 pieces set of Tinkertoys
- 4 red tinker toy pieces with nuts and bolts

#### Bin: Graphite Circuits

- 3 squeeze bottles of graphite “paint”
- 8 9-volt batteries
- Many small cardboard squares
- 3 bottles school glue
- 2 clear tape dispensers
- 1 funnel
- Measuring cup
- Paint brushes
- 500 pieces of hex nuts
- 5 small metallic bases
- 1 large metallic base
- Metal pull chain cut into 4 & 8-inch lengths

#### Bin: Cardboard Circuits

- Alligator clips
- 24 wires with magnets
- Mini generator
- Various cardboard mounted circuit components
- Extra batteries
- Metal pull chain cut into 4 & 8-inch lengths

#### Bin: Magnetic Towers

- 8 Magnetic rods
- 500 pieces of hex nuts
- 5 small metallic bases
- 1 large metallic base
- Metal pull chain cut into 4 & 8-inch lengths

#### Loose in Bin

- Digital Multimeter
- Compartment box with various electrical components