

## **MOVING THINGS: Additional Activities and Links**

Connects to **How can we put it in motion?** on page 73

Many videos of intricate domino and Rube Goldberg set-ups are available online that children may enjoy watching. Go to <http://www.youtube.com> and enter "world records dominoes" and "Rube Goldberg inventions" in the search box. **Note:** It is suggested that you preview all clips for suitability in terms of content and length.

Connects to **How do different ramps affect how things move?**  
on page 83

Children can explore how different factors affect the movement of a truck travelling down a ramp in the interactive game at <http://www.sciencekids.co.nz> (select "games/forces in action"). And in this interactive game, children can experiment with different surfaces to learn how friction can affect the speed of a toy vehicle. Go to <http://www.sciencekids.co.nz> and select "games/friction."

Connects to **How does the wind affect the way things move?**  
on page 84

Several books about wind are included in the online Books list for this unit. You could also initiate discussion about moving air by reading some of the poems below (easily available by typing the title and author into a search engine):

"Pirate Wind" by Mary Jane Carr

"Start of a Storm" by Lou Ann Welte

"Who Has Seen the Wind?" by Christina Rossetti

"Wind Pictures" by Mary O'Neill

"The Wind" and "Windy Nights" by Robert Louis Stevenson

"Windy Day" by Mary Jeffries

"Winter Wind" by Jack Prelutsky

Connects to **How will you build a toy with moving parts?** on page 86

Short clips of nearly 40 toys that move in various ways can be viewed at <http://www.museumofchildhood.org.uk> (select "learning/things to do/Moving Toys").

Connects to **How will we create a kinetic sculpture?** on page 88  
For photos and videos of Lyman Whitaker's kinetic sculptures, see <http://www.windsculptures.ca> (select "Wind Sculptures" or "Photos/Video").  
To see some of Ron Baird's kinetic sculptures, go to <http://www.ronbairdartist.com> (select "Kinetic").  
Photos of many of Alexander Calder's mobiles can be viewed at <http://www.hirshhorn.si.edu> (select "Collection/Collection Search/Alexander Calder").

Materials children can use to make kinetic sculptures might include

- glue, tape, a variety of fasteners (e.g., butterfly clips, paper clips, clothespins, magnetic buttons), staplers, string, yarn, ribbon, twist ties, chenille stems, Wiki Stix, rubber bands, hole punch
- assortment of coloured papers, empty containers, boxes, cardboard cylinders, straws, balloons, doweling, toothpicks, Styrofoam shapes, small paper cups and plates, wheels, spools, small gears and bolts, buttons, craft sticks, picture frames
- any other decorative craft materials you have on hand

Connects to **How can we show movement in our paintings?** on page 90  
Various works of art in which the artist has attempted to depict motion and/or suggest movement over time can be found at <http://www.artsology.com> (enter "Motion in Art" in the site's search box).  
**Note:** Please review the site before displaying selected images.

Vincent van Gogh's paintings, many of which suggest motion, can be found at <http://www.vangogh.net> (select "Vincent van Gogh's Paintings" at the top).

Connects to **How can we use motion to create abstract paintings?**  
on page 91

Examples of artwork showing the action/gesture style of painting, and information about the artists' style, can be found at the following sites.

Melanie Kobayashi: <http://melaniekobayashi.homestead.com> (select "ABSTRACTS").

Jackson Pollock: <http://www.jackson-pollock.org>

Willem de Kooning: <http://www.guggenheim.org> (enter "Willem de Kooning" in the site's search box).

Children may enjoy creating action paintings using a free painting program such as Tux Paint. Alternatively, they could explore action painting just by moving the mouse or their finger at a site such as <http://drips.nalindesign.com/>.