Physics of Toys Web Resources

Good place to find basic definitions and explainations of concepts
http://www.owlnet.rice.edu/~elec201/Book/basic_mech.html

Balloon resources
http://www.42explore.com/balloon.htm

Simple Machines
http://sln.fi.edu/learn.html
This is the Franklin Institute site. Look at the Community Science Action Guides for Online examples of how pulley's work, spring bounces, etc. The Keystone Science Network offers many teacher resources (materials, lesson plans and more)

Yo-Yo
http://www.bsu.edu/up/
You need to search the Ball University site for Yo-Yo. There is a whole unit,
But it is in pieces. Good stuff!

Roller coaster
http://www.angelfire.com/on2/thrillsandchills/
project

Online experiments, there is even a rollercoaster ride!
http://www.learner.org/exhibits/parkphysics/

http://www.fearofphysics.com/index.html

Gravity
http://spacelink.nasa.gov/
Search for Newton in Space and Toys in Space II. There are several formats for material on physics experiments done in space. (micro-gravity).

Tops
http://www.exploratorium.edu/IFI/resources/workshops/spinningthings.html

optical tops
http://www.archimedes-lab.org/atelier.html?http://www.archimedes-lab.org/workshoptop.html

http://www.spintastics.com/HistoryofTop.asp

Slinkys
http://www.exploratorium.edu/snacks/slinkyinhand/

http://www.teachingtools.com/Slinky/slinky.html

Drinking Bird
http://www.drinkingbirds.com/html/science.html

http://www.backstreet.demon.co.uk/oddstuff/drinkingbirds/drinkingbirds.htm

Inventions
http://web.mit.edu/invent/

http://www.inventored.org/k12/teachers.html

http://www.howstuffworks.com/index.htm
http://express.howstuffworks.com/default.htm
Not only the how things work, but concept info too. There is a toy autopsy
On the express site.

Rube Golberg
http://www.rube-goldberg.com/html/gallery.htm

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