Elementary School Simulation Ideas
PhET Interactive Simulations (http://phet.colorado.edu), University of Colorado

**Motion, Force, & Energy**
Balancing Act
Energy Forms and Changes
Energy Skate Park
Energy Skate Park: Basics
Friction
Gravity and Orbits
Gravity Force Lab
Forces and Motion: Basics
Friction
Lady Bug Motion 2D
Lunar Lander
Masses and Springs
Maze Game
The Moving Man
Pendulum Lab
Projectile Motion
States of Matter: Basics

**Waves: Sound, Light, Water**
Bending Light
Sound
Wave Interference
Wave on a String

**Electricity & Magnetism**
Balloons and Static Electricity
Circuit Construction Kit (DC)
Electric Field Hockey
Faraday Electromagnetic Lab Generator
John Travoltage
Magnets and Compass

**Earth Science**
Density
Gas properties
Glaciers
Gravity and Orbits
Greenhouse Effect
Lunar Lander
States of Matter
States of Matter: Basics
Wave Interference

**Biology**
Color Vision
Eating and Exercise
Natural Selection

**Math**
Arithmetic
Build a Fraction
Equation Grapher
Estimation
Fraction Matcher
Fraction Intro
Graphing Lines

**Chemistry**
Build an Atom
Concentration
Density

Gas Properties
Salts and Solubility
States of Matter
Sugar and Salts Solutions

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