Elementary School Simulation Ideas
PhET Interactive Simulations (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
- Magnets & Electromagnets
- Signal Circuit

**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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