

# Elementary Math & Science

# Gizmos™

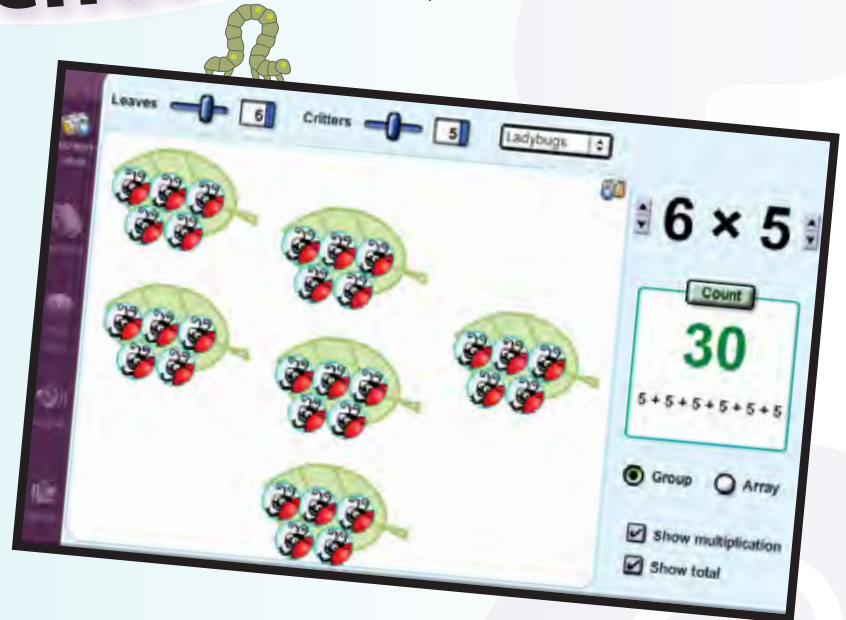
by ExploreLearning



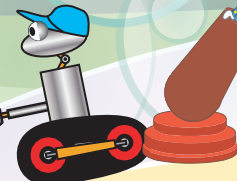
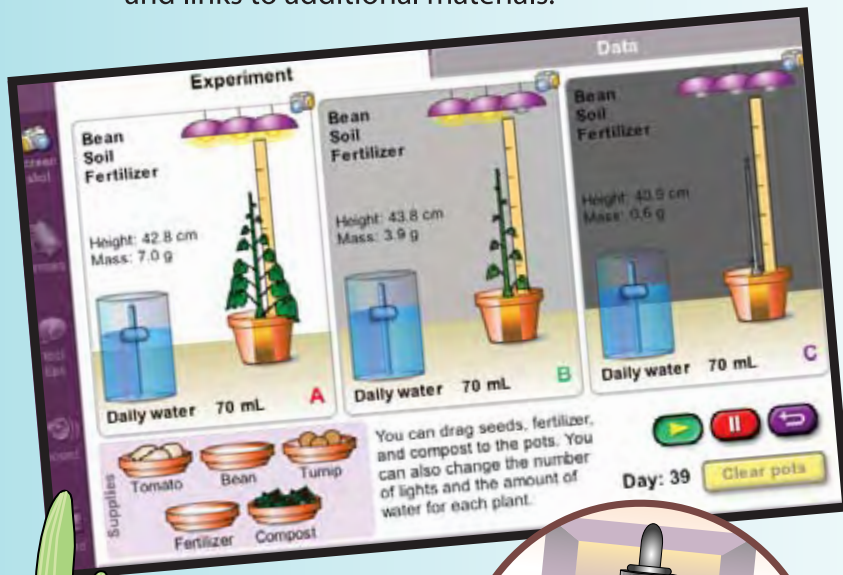
## Just for grades 3-5

ExploreLearning's Math and Science Gizmos are designed from the ground up to support elementary students and teachers with:

- **Dozens of easy-to-use simulations** that bring key math concepts to life.
- **Engaging student explorations** that are ready to use and customizable.
- **Informative teacher guides and answer keys** including background information and links to additional materials.



- **Correlations to state and national standards** so you can easily find the right Gizmo.
- **Formative assessment and reporting** with instant feedback for students and useful reporting for teachers.



Try them online at:  
<http://explorellearning.com>



# Elementary Topics



## Math:

Place Value  
 Rounding Whole Numbers  
 Understanding Addition and Subtraction  
 Addition of 2-digit and 3-digit Numbers  
 Subtraction of 2-digit and 3-digit Numbers  
 Understanding Multiplication  
 Multiplication, Arrays, and Area  
 Factors of Prime and Composite Numbers  
 Division with Remainders  
 Dividing a Whole Into Equal-Sized Parts  
 Set Models of Fractions  
 Area Models of Fractions  
 Fractions Greater Than One  
 Comparing Fractions  
 Least Common Denominator  
 Equivalent Fractions Using Fraction Tiles  
 Adding Fractions  
 Decimals on the Number Line  
 Area and Grid Models of Decimals  
 Modeling Decimals Using Base-10 Blocks  
 Adding Decimals  
 Subtracting Decimals  
 Multiplying Decimals  
 Comparing Fractions, Decimals and Percents  
 Patterns  
 Coordinate Grids  
 Understanding Functions  
 Graphing Functions  
 Modeling Scenarios Using Functions  
 Using Equations  
 Perimeter and Area  
 Symmetry  
 Transformations  
 Volume  
 Pictographs and Bar Graphs  
 Line Graphs  
 Mean, Median, Mode and Range  
 Describing and Comparing Data  
 Analyzing Data From An Experiment  
 Probability

## Science:

Phases of the Moon  
 Newton's Laws of Motion  
 Plant Growth  
 Density  
 Graphing Skills  
 Magnetic Fields and Forces  
 Consumers, Producers and Decomposers  
 Simple Machine - Levers  
 Tides  
 Flower Pollination  
 Electrostatic Forces  
 Interdependence of Animals and Plants  
 Seed Germination  
 Electrical Circuits, Conductors and Insulators  
 Solar System  
 Continental Drift  
 Mineral Identification  
 Solar and Lunar Eclipses  
 Pendulums  
 Food Chain in a Prairie Biome  
 Simple Machine - Pulleys  
 Orbits and Gravity  
 Simple Machine - Inclined Plane  
 Forms and Sources of Energy  
 Learned Behavior  
 How the Eye Works  
 Color Mixing  
 What Causes Seasons  
 Phases of Matter  
 Kinetic and Potential Energy in Roller Coasters  
 Water Cycle  
 Rock Cycle  
 Cell Structure  
 Static Electricity  
 Free Fall and Air Resistance  
 Prisms  
 Measurement Skills  
 Adaptations of Animals to Their Environment  
 Chemical Reactions  
 Nutrition and Exercise

