Microworlds Storyline STC Fourth Grade

Unifying Concept: Systems, Order, and Organization; Evidence, Models, and Explanation; Form and Function **Big Idea:** Magnifiers are tools that extend the sense of sight if they are used effectively. Magnifiers enable us to see microscopic organisms and other matter.



Science Process Skills: Observing, Questioning, Comparing, Communicating, and Applying

National Science Standards: K-4 Physical Science; Life Science; Science and Technology; Science in Personal and Social Perspectives; History and Nature of Science; Science as Inquiry

California Science Standards: 4: Life Science 3d

Solar System Storyline Delta Fourth Grade

Unifying Concept: Systems, Order, and Organization; Evidence, Models, and Explanation; Constancy, Change, and Measurement; Evolution and Equilibrium

Big Idea: Our solar system includes our sun (a star) and all its satellites — planets, moons, asteroidsmeteroids, and comets.

Sub Concept I: A system is a group
of items that form a united whole.Sub Concept II: Gravitational force between the sun and its
satellites creates planetary orbits.Sub Concept III: Models represent large objects
and/or distances for study purposes.



Description of Assessment: End-of-unit assessment includes a hands-on task, picture interpretation, and verbal problem solving; review student work (e.g. science notebooks)

Science Process Skills: Observing, Questioning, Comparing, Communicating, and Ordering

National Science Standards: K-4 Earth/Space Science; Science & Technology; History & Nature of Science; Science as Inquiry California Science Standards: 0 VIPS 2000

The Mysterious Powder Storyline Insights Fourth Grade

Unifying Concept: Evidence, Models, and Explanation; Constancy, Change, and Measurement **Big Idea:** Substances have specific chemical and physical properties. Knowledge about the properties can be used to solve problems.

Sub Concept I: With the right tools and tests, we can solve an environmental problem.

Sub Concept II: We use questioning, investigating, and exploring with our senses to find out about objects.





California Science Standards: Investigation and Experimentation 6c-f

*optional VIPS 2000