



CORRELATIONS TO THE CALIFORNIA STATE STANDARDS

Water Magic - Fifth Grade

A Recipe For Water

Science

1b. Students know all matter is made of atoms, which may combine to form molecules.

Berry Basket Boats

Science

1b. (see above)

6f. Students will select appropriate tools (e.g. thermometers, meter sticks, balances, and graduated cylinders) and make quantitative observations.

6g. Students will record data by using appropriate graphic representations (including charts, graphs, and labeled diagrams) and make inferences based on those data.

Milk Storms

Science

1b, 6f, 6g. (see above)

Great Balls of Water

Science

6f, 6g. (see above)

Math (Measurement and Geometry)

1.4 Students will differentiate between, and use appropriate units of measures for two-and three-dimensional objects (i.e., find the perimeter, area, volume).

Density Detectives

Science

6a. Students will classify objects (e.g., rocks, plants, leaves) in accordance with appropriate criteria.

6g. (see above)

Math (Algebra and Functions)

1.1 Students will use information taken from a graph or equation to answer questions about a problem situation.

Presto – Peroxide Becomes Water

Science

1a. Students know that during chemical reactions the atoms in the reactants rearrange to form products with different properties.

1b. 6g. (see above)

Math (Algebra and Functions)

1.1 (see above)

The Wizard of Osmosis

Science

- 1b. (see above)
- 2d. Students know the role of the kidney in removing cellular waste from blood and converting it into urine, which is stored in the bladder.

Water Magic - Sixth Grade

Great Balls of Water

Math (Measurement and Geometry)

- 1.1 Students will understand the concept of a constant such as P ; know the formulas for the circumference and area of a circle.

Water Magic - Seventh Grade

Berry Basket Boats

Science

- 7a. Students will select and use appropriate tools and technology (including calculators, computers, balances, spring scales, microscopes, and binoculars) to perform tests, collect data, and display data.

Milk Storms

Science

- 7a. (see above)

Great Balls of Water

Math (Measurement and Geometry)

- 2.1 Students will use formulas routinely for finding the perimeter and area of basic two-dimensional figures . . . including squares, triangles, circles . . .

Math (Mathematical Reasoning)

- 2.5 Students will use a variety of methods, such as words, numbers, symbols, charts, graphs, tables, diagrams, and models, to explain mathematical reasoning.

The Wizard of Osmosis

Science

- 1a. Students know cells function similarly in all living organisms.
- 5a. Students know plants and animals have levels of organization for structure and function, including cells, tissues, organs, organ systems, and the whole organism.

Water Magic - Eighth Grade

A Recipe For Water

Science

3b. Students know that compounds are formed by combining two or more different elements and that compounds have properties that are different from their constituent elements.

Berry Basket Boats

Science

3b. (see above)

9e. Students will construct appropriate graphs from data and develop quantitative statements about the relationship between variables.

Milk Storms

Science

3b. (see above)

Density Detectives

Science

8a. Students know density is mass per unit volume.

8b. Students know how to calculate the density of substances (regular and irregular solids and liquids) from measurements of mass and volume.

8d. Students know how to predict whether an object will float or sink.

9f. Apply simple mathematic relationships to determine a missing quantity in a mathematic expression, given the two remaining terms (including density = mass/volume).

Presto – Peroxide Becomes Water

Science

3b. (see above)

5a. Students know reactant atoms and molecules interact to form products with different chemical properties.

5c. Students know chemical reactions usually liberate or absorb heat.

The Wizard of Osmosis

Science

3b. (see above)