

CHE-MYSTERY

Discover the mystery in chemistry! Explore one of the most exciting and fundamental sciences as you watch water turn into juice and liquids turn into solids. Explore physical and chemical reactions with the Dynamic Dish kit.

SUMMARY:

Children discover the mysterious wonders of chemical science. They learn the difference between physical and chemical changes through exciting, hands-on investigations; watch crystals form in water glass; and see acetone reduce foam to a puddle of goo. Children get their hands dirty with a non-Newtonian fluid and use hydrophobic compounds to make marbled masterpieces! The Dynamic Dish Take-Home lets children bring the lab home.

EDUCATIONAL VALUE:

Che-mystery introduces children to chemistry with mysterious mixtures and surprising solutions. They learn that physical changes are different from chemical reactions because chemical reactions create new products. Crystals, colloid suspensions, solutions, and indicators are all part of this fun, information-packed class. Children learn the importance of lab safety and get hands-on with some amazing reactions.

TAKE-HOME MESSAGE:

- 1 Chemistry is the study of substances.
- 2 A physical change happens when substances are mixed but do not change.
- 3 A chemical change happens when mixed substances create something new.

TAKE-HOME PRODUCT:

Dynamic Dish

NORTH CAROLINA ESSENTIAL STANDARDS:

- K.P.2 Understand how objects are described based on their physical properties and how they are used.
- 3.P.2.2 Compare solids, liquids, and gases based on their basic properties.
- 5.P.2.3 Summarize properties of original materials, and the new material(s) formed, to demonstrate that a change has occurred.

