



# SYNERGISTIC SYSTEMS

A DIVISION OF PITSCO, INC.

# PARENT BRIEFING

## Module

## Food Science

- Perform an experiment using equipment commonly found in a food science laboratory.
- Investigate the six essential nutrients.
- Perform an experiment demonstrating conservation of mass.
- Explore the field of sensory evaluation.
- Use a pH meter to measure the pH level of common foods.

## Session Focus

**1** History of Food Science, Basic Equipment

**2** Six Essential Nutrients

**3** Essential Nutrients, Egg Foam Experiment

**4** Egg Foam Experiment

**5** Odor Recognition

**6** pH of Common Foods

**7** Chemical Neutralization

### Dear Parent,

As parents and teachers, we realize it can be hard to get a child to discuss what he or she is learning in school. We hope the information provided on this page will assist you in communicating with your child about what he or she is learning.

For the next few days, your child will be learning about how foods change chemically through natural processes, storage, and preparation while completing the Food Science Module. As your child's best teacher, your participation in the learning process is extremely important.

### Words students will learn in this Module include:

- periodic table
- atom
- nutrition
- protein
- fat
- mass
- element
- meniscus
- sensory evaluation
- food science
- physical reaction
- chemical reaction
- base

Student: \_\_\_\_\_

Instructor: \_\_\_\_\_

### Questions for discussion

During the course of this Module, your child will be assessed on key concepts and activities. You might want to discuss these concepts with your child.

He or she will be asked to:

- Identify the six essential nutrients and give examples of foods that represent each nutrient. *(The six essential nutrients include carbohydrates, fat, protein, vitamins, minerals, and water. Examples of each nutrient will vary.)*
- Explain the concept "conservation of mass." *(The conservation of mass law states that the total amount of mass in a closed system can neither be created nor destroyed; it can only change form. In other words, the mass of a specific amount of matter will not change unless the amount of matter changes.)*



What did you do in school today?

