



# Third Grade Science

## Matter and Its Interactions

Dear Families,

Here is what your child is learning in Third Grade during the study of matter and its interactions. Look for additional newsletters for upcoming units.

### Matter and Its Interactions

Students will be able to:

- classify materials based on their properties.
- create a model to describe matter is made of particles too small to be seen.
- determine the properties of a mystery solid and present evidence to support their claim.
- utilize the Engineering Design Process to design high quality playdough.
- determine whether the mixing of two or more substances results in new substances.

### Key Vocabulary

Matter- material that has mass and takes up space

Properties – a characteristic or quality of a material that you can see, hear, smell, touch, taste, or measure.

Substance – the physical matter or material of which living things are made

Interaction– how something relates or influences another

Solid – a state of matter with a fixed volume and shape

Liquid – a state of matter with a fixed volume, but not a fixed shape

Gas – a state of matter with no fixed volume or shape

#### Discovery Education:

- Properties and States of Matter
- Describing Matter and Its Properties

### Ways FAMILIES Can Help

- Use the Discovery Education links to learn more information.
- Be attentive to different types of matter all around you.
- Encourage your child to help prepare meals. Have them describe ingredients as different types of matter. What happens when you mix the ingredients? Can you separate the materials or is a new substance created?
- Look for examples of solids, liquids, and gases around your house.