

# Course Title: Science

# Grade level: Kindergarten

## DESCRIPTION OF COURSE

Kindergarten students will learn that in science people ask questions and try to find answers. Students will learn about solving problems. They will be learning many things about living and nonliving things. This will help the students to understand what it means to say something is living. Students will learn the ways in which living things will change as they grow. Students will learn about the earth and sky. Students will learn how to identify and describe objects using their senses. Students will learn about matter. Students will learn about motion and the position of objects.

~ Science objectives will be addressed over the course of the year through continuing integration with the Kindergarten language arts and mathematics curricula.

~ Students will explain that we observe data to answer questions.

~ Students will identify a problem, conduct an experiment and explain the solution in different ways.

~ Students will identify the needs of living and nonliving things as well as determine how they are alike and different.

~ Students will describe how animals, plants, and people change as they grow.

~ Students will be able to describe different features of the earth and sky, such as water, the sun, clouds, moon and weather patterns.

~ Students will identify and compare objects based on their characteristics.

~ Students will observe and identify the forms of matter, solids, liquids, and gases.

~ Students will describe the position and motion of objects.

Required Topics of Study	Suggested Instructional Time	Standards/Eligible Content
Science, Engineering, and Technology: ~ The Nature of Science ~ Solve Problems	45 days	Next Gen: N/A  PA: 3.1.K.A9
Life Science: ~ Living and Nonliving Things	75 days	Next Gen: K-ESS2-2 K-LS1-1

~ Plants and Animals		K-ESS3-1 K-ESS3-3  PA: 3.1.K.A1 3.1.K.A3
Earth Science: ~ Earth and Sky	35 days	Next Gen: K-ESS2-1 K-ESS3-2  PA: 3.3.K.A5
Physical Science: ~ Objects ~ Matter and Mixtures ~ Motion	35 days	Next Gen: K-PS2-1 K-PS2-2 K-2-ETS1-1 K-2-ETS1-2 K-2-ETS1-3  PA: 3.2.K.A3 3.2.K.A5

## RESOURCES

Interactive Science Teacher's Edition and Resource  
 Big Book Flip Chart  
 Vocabulary Cards  
 Leveled Readers  
 Classroom Materials Kit  
 Cross-Curricular Resources Flip Chart  
 Science Songs Tear and Take Coloring Books  
 Digital Courseware online access  
 Science Songs Audio CD  
 Untamed Science Videos (Online)