

Syllabus

Course Title: Science

Grade: 1

DESCRIPTION OF COURSE

- Science objectives will be addressed over the course of the year through continuing integration with the first grade language arts (leveled readers) and mathematics curricula.
- Students will learn living things and matter change over time.
- Students will understand that the earth consists of land and water masses. Within these land and water masses are rocks, solids, liquids, and gases, which may change state due to external stimuli.
- Students will know that as living things evolve and change they will retain characteristics from prior generations.
- Students will learn that living things are found almost everywhere in the world. They will know that all living things must adapt to their environment in order to survive.
- Students will learn about animals and their habitats and how they fit into our daily lives. They will learn about animal characteristics, classification, and similarities. They will understand that animals are living things and how the environment impacts on their survival.
- Students will learn about how energy is used, and how heat, light and sound work.
- Students will learn that objects can move in different ways; that forces such as pushes and pulls affect the way objects move.
- Students will learn that working in teams and sharing information helps solve scientific problems.

REQUIRED TOPICS OF STUDY	SUGGESTED INSTRUCTIONAL TIME	STANDARDS/ ELIGIBLE CONTENT
Science, Engineering, & Technology: Science Inquiry	One week	Next Gen.: K-2-ETS1-1 PA: 3.1.1.A9
Life Science: Animals Plants	Year round One Month	Next Gen.: 1-LS1-1 1-LS1-2 1-LS3-1 PA: 3.1.1.A1 3.1.1.A2 3.1.1.A5 3.1.1.B1 3.2.1.B6
Earth Science: Weather Earth and Sky	Year round Two Weeks	Next Gen.: 1-ESS1-1 1-ESS1-2 PA: 3.3.1.A1 3.3.1.A4 3.3.1.A5 3.2.1.B3
Physical Science: Matter Energy Movement	One Month Combined	Next Gen.: 1-PS4-1 1-PS4-2 1-PS4-3 1-PS4-4 PA: 3.2.1.A1 3.2.1.A3 3.2.1.A4 3.2.1.A5 3.2.1.B1

RESOURCES

Pearson interactive science Teacher Program Guide and Unit Resources

Pearson interactive science lab kits

Pearson interactive science leveled readers

Pearson interactive science online lab