

THE PHYSICAL SETTING



Second grade students discover that:

I. CHANGES OCCUR IN THE SKY

They will:

- understand that weather is a condition of air and affects the activities of children and adults
- learn to use weather instruments to measure temperature, precipitation and wind movement
- observe and identify different cloud formations
- learn the causes of hazardous weather conditions such as hurricanes and blizzards
- recognize the importance of keeping our

GRADE 2



Standard #4 of the New York State Learning Standards for Mathematics, Science and Technology states that “Students will understand and apply scientific concepts, principles and theories pertaining to the physical setting and the living environment and recognize the historical development

GRADE 2



To meet this standard, the Wingdale Elementary Science Curriculum stresses learning that is hands-on, process oriented, inquiry based, and encourages students to think rather than just memorize a large number of facts. The elementary science curriculum will help all students develop confidence to engage in independent thinking and foster positive attitudes towards science. During the month of May, all fourth grade students across New York State are given a standardized test in Science – The New York State Program Evaluation Test in Science, Grade 4 Performance Test. This test is a culmination of the science content, skills and attitudes taught in kindergarten through

“One cannot learn anything so well as by experiencing it oneself.”

Albert Einstein

THE LIVING ENVIRONMENT Life Science Content

Second grade students will discover that:

I. PLANTS AND ANIMALS LIVE AND THRIVE WHEN THEIR NEEDS ARE MET

They will:

- identify properties that enable plants and

THE LIVING ENVIRONMENT

Life Science Content



- discover that parts of plants and animals have functions that help them live and thrive
- observe and discover that plants and animals undergo seasonal changes that enable them to grow and meet their needs
- learn through experimentation and observation that each kind of plant has its own stages of development, life span and appearance
- describe parts of animals that enable them to eat, drink, breathe, make sounds, sense their surroundings, and protect themselves
- learn the functions of body parts such as the brain, heart, muscles and bones

II. PLANTS AND ANIMALS ARE DEPENDENT ON OTHER PLANTS AND ANIMALS

They will:

- recognize that animals, including humans, use plants for food, shade, medicine, fuel and prevention of erosion
- learn that plants benefit from animals understand how animals depend upon other animals
- learn about animals that are extinct and others that are in danger of becoming extinct