

Science

Syllabus: Grade 2

Description:

Second grade science teaches a child to plan and conduct simple investigations. To collect information, record observations, classify and sequence objects and events.

Science Standards:

Standard 1: Science Practices
Standard 2: Life Science
Standard 4: Physical Science

Science Objectives:

Second grade science covers many of the same topics covered in the previous science classes, it expands on these ideas, adding a greater depth of knowledge. Students will learn the basics of force, will explore gravity, and will learn about magnets. They will review the states of matter, while adding an explanation of how a substance changes from one state to another. The students will learn new things about plant and animals, including how they move, how they get food, and what keeps them safe from harm. Students will review the function of key organs in the human body, such as the brain, heart, muscles, and digestive system. In addition, students will learn about how to keep their body healthy through proper food, exercise, and avoiding germs when possible. They will also learn about slow and fast land changes and fossils. Finally, the students will learn about weather, including the water cycle, the four seasons, and the types of severe weather they may experience.

Science Resources & Materials:

Teacher's Resources: Harcourt Science (T. Ed)
Student's Resources: Harcourt Science (St. Text) Water
for Life book
From Ridge to Reef booklet
Digital Resources

Class Rules:

1. Arrive on time, prepared, and ready to learn
2. Respect yourself and others
3. Make friends and be thoughtful
4. Take turns speaking and listening
5. Say Please and Thank you
6. Try your best!

Computation of Letter Grade:

90%-100%	-----A
80%-89%	-----B
70%-79%	-----C
65%-69%	-----D
0%-64%	-----F

Effort and Behavior & Activity

- 1 - Outstanding
- 2 - Satisfactory
- 3 - Needs Improvement
- 4- Unsatisfactory

Methods of Evaluation

Quarterly grade for Grade 1 to 8 is based on:

- A. 85% = Class Average
* Class Average = 70% Test + 30% Other
Components such as quizzes, group works, classwork, homework, self-assessments, experiments/demonstrations/research/projec
- B. 15% = Quarter Exam

What do we study in Science?

Standards	Grade Two
1	<p>Science Practices:</p> <ul style="list-style-type: none">• The ways that scientists ask questions about the natural world, get and analyze data, develop explanations, and communicate their evidence-based scientific knowledge.
2	<p>Life Science:</p> <ul style="list-style-type: none">• Compare and contrast how different kinds of plants and animals grow and change.• Illustrate how people grow and change including describing body systems (bones and muscles, heart and lungs, and digestive system).• Identify the characteristics of different kinds of habitats that enable each habitat to support the growth of many different plants and animals. Describe how natural events (e.g., storms) and human actions change habitats, and how humans can help take care of natural places.
4	<p>Physical Science:</p> <ul style="list-style-type: none">• Communicate examples of properties of matter and include comparisons of the properties of solids, liquids, and gases.• Compare and contrast changes in matter that are reversible and changes that are irreversible.• Demonstrate the effects of different forces on the motion of different objects, and conclude about the strength of the different forces.• Based on investigations, report and give evidence about ways to make different kinds of sounds and whether sounds can travel through solids, liquids, and/or gases.

