

**Our Lady of the Assumption School**  
**5<sup>th</sup> Grade Science**  
**Mrs. Antonio**



Fifth grade is the first year the students move to a different classroom and have science with a teacher other than their homeroom teacher. It is an exciting year full of changes and new responsibilities. They cross the breezeway and now get to change classes. At first it may seem overwhelming to some students, but they quickly catch on and make the transition.

The 5th grade curriculum has three major topics to be covered. This curriculum in fifth grade is designed to follow the Diocesan Content Standards and California's Common Core State Standards.

**Physical Science:** God created the world and all its matter with an infinite sense of order. Elements and their combinations account for all the varied types of matter in the world. As a basis for understanding this concept, students will learn:

**Unit A Chapter 1: Building Blocks of Matter**

**Chapter 2: Changes in Matter**

**Life Science:** God made all life on Earth, creating plants and animals that have structures for respiration, digestion, waste disposal, and transport of materials. As a basis for understanding this concept, students will learn:

**Unit B Chapter 3: Basic Structures of Organisms**

**Chapter 4: Human Body Systems**

**Earth Science:** 1.0 According to God's design, water on Earth moves between the oceans and land through the processes of evaporation and condensation.

2.0 Our Creator designed our world so that energy from the sun heats the Earth unevenly, causing air movements resulting in changing weather patterns.

3.0 The creator's ordered design extends from the smallest atom on Earth, through our solar system, and to the furthest reaches of the universe. The solar system consists of planets and other bodies that orbit the sun in predictable paths. As a basis for understanding these concepts, students will learn:

**Unit C Chapter 5: Water on Earth**

**Chapter 6: Weather**

**Chapter 7: The Solar System**

**Investigation and Experimentation:** Scientific progress is made by asking meaningful questions and conducting careful investigations. As a basis for understanding this concept, students will be required to complete a **SCIENCE PROJECT**, and they will participate in the School Science Fair in February.

The textbook for the fifth grade is California Science – Pearson Scott Foresman. All Diocesan Standards are met with this text.





*Signal*  
Abigail S.  
5<sup>th</sup> grade

Hydroponics Experiment Log

Measurements, Data, Graphs

Date	Measurement Root Length (cm)	Number of leaves	Other observations
01/16/18	0.2cm	none	started experiment
01/22/18	0.3cm	none	3 leaves got shorter and 3 started to grow but 2 got shorter and 5 got shorter the plants
1/18/18	0.6cm	none	
1/19/18	0.9 cm	none	
1/22/18	3 cm	9 leaves	got longer from very long.
1/23/18	3 1/2 cm	12 leaves	got longer more leaves
1/24/18	4 1/2 cm	13 leaves	more leaves longer and wider
1/25	5 cm	26 leaves	longer

Dalton D.  
5<sup>th</sup> grade

Hydroponics Experiment Log

Measurements, Data, Graphs

Date	Measurement Root Length (cm)	Number of leaves	Other observations
01-16-18	0.2 cm	0.0	
01-22-18	0.3	0.0	noticed no much root
01-27-18	0.2	0.0	noticed water
01-31-18	0.3	0.0	noticed plant
01-23-18	0.3	0.3	less water
01-24-18	0.4	0.5	noticed water
01-25-18	0.4	0.5	less