

Grade level: 3

Course Title: Science

Topic/Concept: Ideas and Inventions

Time Allotment: 7 Weeks

Unit Sequence: 1

**Major Concepts to be learned:**

1. Rubbing Techniques
2. Carbon Printing
3. Color Writing

**Expected Skills to be demonstrated:**

1. The students will be able to use the rubbing technique to observe things not easily seen.
2. The students will be able to use the carbon printing technique to make fine textures visible.
3. The students will be able to use paper chromatography to observe things not easily seen.

**PA Standards/Anchors:**

**Eligible Content:**

3.1.3.A1

S3.A.2.1  
S3.A.2.2

**Instructional Strategies:**

**Assessments:**

Science Notebooks  
Observation  
Small Groups  
Teacher Directed  
Discussions  
Hands on Activities

- Teacher Observation
- Science Notebook
- Experiments
- Teacher Created Assessments
- Final Project

Grade level: 3

Course Title: Science

Topic/Concept: Earth and Space Science

Time Allotment: 4 Weeks

Unit Sequence: 2

**Major Concepts to be learned:**

1. Solar System

**Expected Skills to be demonstrated:**

1. The students will be able to describe how Earth rotates on its axis once every 24 hours giving rise to the cycle of night and day.
2. The students will be able to identify the planets, sun, and the moon as well as their characteristics.
3. The students will be able to understand how gravity works.

**PA Standards/Anchors:**

**Eligible Content:**

3.3.3.B1

S3.D.3.1

**Instructional Strategies:**

**Assessments:**

Science Notebooks  
Observation  
Small Groups  
Teacher Directed  
Discussions  
Hands on Activities  
Nonfiction Literature  
Technology

- Teacher Observation
- Science Notebook
- Experiments
- Teacher Created Assessments
- Final Projects

Grade level: 3

Course Title: Science

Topic/Concept: Plant Growth and Development

Time Allotment: 4 Weeks

Unit Sequence: 3

**Major Concepts to be learned:**

1. Life Cycle of a plant.
2. Basic needs of a living organism.
3. Interdependence between plants and insects.

**Expected Skills to be demonstrated:**

1. The students will be able to observe, describe, and record changes in plants.
2. The students will be able to use graphs to display and compare growth patterns.
3. The students will be able to compare and discuss the changes occurring in plants over time.
4. The students will be able to make predictions about the life cycle of a plant.

**PA Standards/Anchors:**

**Eligible Content:**

3.1.A

3.1.3.A

**Instructional Strategies:**

**Assessments:**

Science Notebooks  
Observation  
Small Groups  
Teacher Directed  
Discussions  
Hands on Activities  
Nonfiction Literature  
Technology

- Teacher Observation
- Science Notebook
- Experiments
- Teacher Created Assessments
- Final Projects

Grade level: 3

Course Title: Science

Topic/Concept: Earth and Space Sciences

Time Allotment: 5 Weeks

Unit Sequence: 4

**Major Concepts to be learned:**

1. Rainforest Classifications
2. Deforestation

**Expected Skills to be demonstrated:**

1. The students will be able to explain what organisms need to survive.
2. The students will be able identify and explain how animals interact with the environment.
3. The students will explain how deforestation effects life.

**PA Standards/Anchors:**

**Eligible Content:**

3.3.A

3.1.3.A

**Instructional Strategies:**

**Assessments:**

Science Notebooks  
Observation  
Small Groups  
Teacher Directed  
Discussions  
Hands on Activities  
Nonfiction Literature  
Technology

- Teacher Observation
- Science Notebook
- Experiments
- Teacher Created Assessments
- Final Projects

Grade level: 3

Course Title: Science

Topic/Concept: Health

Time Allotment: 2 Weeks

Unit Sequence: 5

**Major Concepts to be learned:**

1. Conflict Resolution
2. Digestive System
3. Personal Health
4. Making Responsible Decisions
5. Choosing Healthful Meals and Snacks

**Expected Skills to be demonstrated:**

1. The students will be able to resolve conflict appropriately.
2. The students will learn how the digestive system works and how to care for it.
3. The students will learn why you need annual health check ups.
4. The students will learn good communication and decision making skills.
5. The students will learn the difference between healthy and unhealthy foods.

**PA Standards/Anchors:**

**Eligible Content:**

11.3.3 10.1.3	11.3.3.B 11.3.3.C 10.1.3.B
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**Instructional Strategies:**

**Assessments:**

Observation Small Groups Teacher Directed Discussions Hands on Activities Nonfiction Literature Technology	<ul style="list-style-type: none"><li>• Teacher Observation</li><li>• Science Notebook</li><li>• Experiments</li><li>• Teacher Created Assessments</li><li>• Final Projects</li></ul>
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