Course Syllabus

SCI0400

4th Grade Science

I. Course Description

Fourth grade science challenges students to gain a better understand of God as they investigate the world through research, projects, and activities. The fourth grade science course is comprised of exciting units that cover the following: creation, space, weather, rocks and minerals, plants, insects, ecosystems, friction, force, and electricity.

II. Prerequisites

None.

III. Materials List

- Microsoft Office or compatible software
- Scissors
- Glue
- Ability to print and scan documents (or take a picture and upload picture of assignment)
- Markers, crayons, or colored pencils
- Blank white paper
- Flash player
- Adobe Reader
- Ability to video yourself

Supplies for the following modules:

4.12.2

- large bowl filled 1/4 of the way with water
- rubber band
- plastic wrap
- coffee mug

4.13.1 Create clouds
5.16.3

- Water
- A clear bottle with a cap
- Glitter (optional)
- Dish washing liquid

5.16.4

- One clear plastic container about the size of a shoebox
- Red food coloring
- Ice cubes made with water dyed with blue food coloring
- Colored pencils
- Piece of paper

5.17.2 Make a snow cone

7.23.3 Dissect a Flower

IV. **Measurable Learning Outcomes**

The student will be able to:

1. Know what occurred on each day of creation.
2. Investigate the timing of the creation of the Earth, moon, and sun.
3. Investigate and understand how plants and animals in an ecosystem interact with one another and the nonliving environment.
4. Investigate and understand basic plant anatomy and life processes.
5. Investigate and understand the relationships among the Earth, moon, sun, and the planets.
6. Investigate and understand how weather conditions and phenomena occur and can be predicted.
7. Investigate and understand important natural resources.
8. Investigate and understand characteristics and interaction of moving objects
9. Investigate and understand the characteristics of electricity.

V. **Course Requirements and Assignments**

1. Daily assignments
2. Quizzes for some modules
3. Assessment for each module
VI. Course Grading and Policies

Grading Weights

<table>
<thead>
<tr>
<th>Assignment Type</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lesson Assignments</td>
<td>25%</td>
</tr>
<tr>
<td>Quizzes and Written Assignments</td>
<td>35%</td>
</tr>
<tr>
<td>Tests</td>
<td>40%</td>
</tr>
</tbody>
</table>

Scale

- A: 93 – 100
- B: 85 – 92
- C: 77 – 84
- D: 70 – 76
- F: Below 70

Other Policies

Academic Misconduct: See pages 27-30 of your Student Handbook

Repeating Assignments: Students have two attempts on daily work assignments. Quizzes and tests cannot be repeated to gain a higher grade. Quizzes and tests may be reset for technical issues, but a new set of questions will be generated.

Scope and Sequence:

Creation

Solar system

Weather

Rocks
Plants and Insects

Ecosystems

Friction, Force, Electricity