

## 6<sup>th</sup> Grade Science 25-30 Sessions (Each Session 60 - 90 minutes)

### **Unit 10: Organisms and Environments**

#### Session 1:

Lesson 1: The Characteristics of Cells

Lesson 2: Classification of Living Things

#### Session 2:

Slide Review under microscope.

#### Session 3:

Lesson 3: Introduction of Ecology and People in Science

Lesson Review and Unit Review

### **Unit 8: The Solar System**

#### Session 4:

Lesson 1: Historical Models of the Solar System

Lesson 2: Gravity and the Solar System

#### Session 5:

Lesson 3: The Sun

Lesson 4: The Terrestrial Planets

#### Session 6:

Lesson 5: The Gas Giant

Lesson 6: Small Bodies in the Solar System

#### Session 7:

Lesson Review and Unit Review

### **Unit 9: Space Exploration**

#### Session 8:

Lesson 1: History of Space Exploration

Lesson 2: Technology for Space Exploration

#### Session 9:

Lesson Review and Unit Review

#### Session 10:

Test Unit 8, Unit 9, and Unit 10

### **Unit 3: Matter**

#### Session 11:

Lesson 1: Introduction to Matter

Lesson 2: Properties of Matter

#### Session 12:

Lesson 3: Physical and Chemical Changes

Lesson 4: Pure Substances and Mixtures

#### Session 13:

Lesson 5: Atoms and Elements

Lesson Review and Unit Review

#### Session 14:

Science Experiments

#### **Unit 4: Energy, Motion, and Forces**

Session 15:

Lesson 1: Introduction to Energy

Lesson 2: Temperature

Session 16:

Lesson 3: Thermal Energy and Heat

Lesson 4: Motion and Speed

Session 17:

Lesson 5: Acceleration

Lesson 5: Forces

Session 18:

Lesson Review and Unit Review

Science Experiments

#### **Unit 5: Energy Resources**

Session 19:

Lesson 1: Natural Resources

Lesson 2: Nonrenewable Energy Resources

Session 20:

Lesson 3: Renewable Energy Resources

Lesson Review and Unit Review

Session 21:

Test Unit 3, Unit 4, and Unit 5

#### **Unit 6: Minerals and Rocks**

Session 22:

Lesson 1: Minerals

Lesson 2: Three Classes of Rock

Session 23:

Lesson 3: Minerals

Lesson Review and Unit Review

STEM Task

#### **Unit 7: The Dynamic Earth**

Session 24:

Lesson 1: Earth's Layers

Lesson 2: Plate Tectonics and People in Science

Session 25:

Lesson 3: Mountain Building

Lesson 4: Volcanoes

Lesson 5: Earthquakes

Session 26:

Lesson Review and Unit Review

STEM Task

Session 27:

Test Unit 6 and Unit 7

Session 28, 29 and 30

Review unit tests, sample STARR question papers and CBE question papers.

#### **Homework:**

Reviews and tests will be uploaded to [poornaoundation.org](http://poornaoundation.org) – I will send the link through email or text message to parents.