



## Grade LEVEL 7 - (Science)

### Topic Outline

### First Quarter - SY 2018 - 2019

#### Teacher:

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#### I. Scientific Method

- A. Parts of the Scientific Method
- B. Observation and Inference
- C. Hypothesis
- D. Variables (Controlled, Dependent, Independent)

#### II. Laboratory Orientation

- A. Safety
  - 1. Steps
  - 2. Hazard Symbols
- B. Laboratory Apparatus
  - 1. Names
  - 2. Functions

#### III. Measurement

- A. Physical Quantities
- B. Conversion with Dimensional Analysis
- C. SI measurement

#### IV. Matter: Atomic Structure

- A. History
- B. Structural Models

#### V. The Periodic Table of Elements

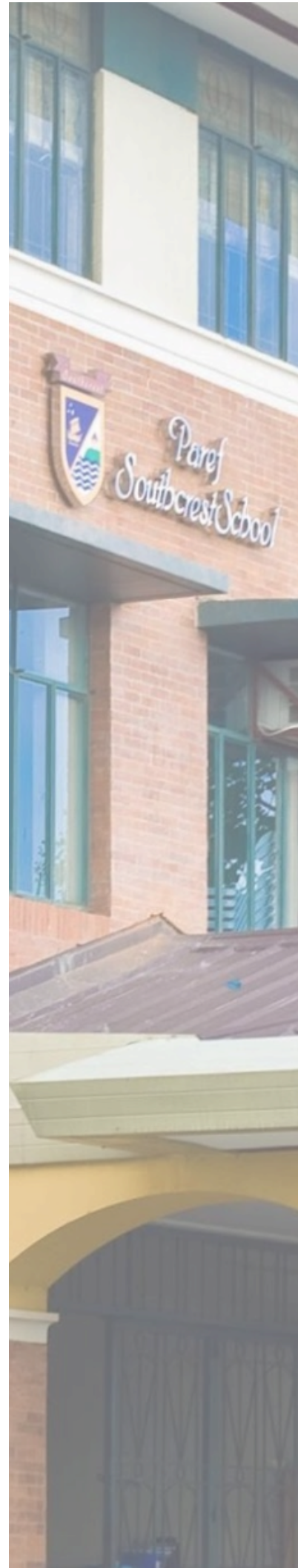
- A. The Elements
- B. Periods and Groups
- C. Atomic Mass and Weight
- D. Metals and nonmetals

#### VI. Matter: Atomic Structure and Atomic Bonds

- A. Electron-dot structure
- B. The formation of ions
- C. Formation of ionic compounds
- D. Types of compounds

#### VII. Compounds and Mixtures: Salts, acids and Bases

- A. Different Types of Substances
- B. Compounds and Mixtures
- C. Safe Handling





# PAREF Southcrest

**Grade LEVEL 7 - (Science)**

**Topic Outline**

**First Quarter - SY 2018 - 2019**

**Teacher:**

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**Experiments:**

- Measurement
- Separating Compounds and Mixtures

**Project:**

- Compilation of Experiments
- IP Writing (Chapter 1)

