



# ST. PETER'S COLLEGE GARAKU

## Scheme of work for:

**Term:** 3<sup>rd</sup>, **Session:** 2019/2020, **Class:** JSS1, **Subject:** Basic Science

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## TOPIC / CONTENT

### WEEK 1:

#### ENERGY

- Methods of Heat transfer
- Uses of Energy

**REFERENCE: Spectrum basics science /Tech page 79**

### WEEK 2:

#### RENEWABLE AND NON- RENEWABLE ENERGY

- Definition and examples of renewable energy
- Features of renewable energy
- Definition and examples of non- renewable energy

**REFERENCE: Spectrum basics science /Tech page 81-82**

### WEEK3:

#### RENEWABLE AND NON- RENEWABLE ENERGY

- Features of non- renewable energy
- Implications of the misuses of non- renewable energy sources
- Effects of energy on a society

**REFERENCE: Spectrum basics science /Tech page 82-84**

### WEEK 4:

#### FORCES

- Concept of forces
- Types of forces
- Demonstrational of various types of force field

**REFERENCE: Spectrum basics science /Tech page 85-87**

### WEEK 5:

#### FORCES

- Gravitational force
- Calculations on gravitational forces

**REFERENCE: Spectrum basics science /Tech page 89 - 90**

WEEK 6:

FORCES

- Magnetic force
- Balanced and unbalanced forces
- Friction

**REFERENCE: Spectrum basics science /Tech page 91-94**

WEEK7:

GRAVITATION AND WEIGHTLESSNESS

- Meaning of gravitation
- Meaning of weightlessness
- Effects of gravitation on objects

**REFERENCE: Spectrum basics science /Tech page 97-101**

WEEK 8 :

THE EARTH IN SPACE

- The solar system
- Rotation and revolution of the earth
- Rotation and revolution of the moon

**REFERENCE: Spectrum basics science /Tech page 102-105**

WEEK 9:

THE EARTH IN SPACE

- Eclipse of the sun
- Eclipse of the moon
- Experiments on eclipse

**REFERENCE: Spectrum basics science /Tech page 105-108**

WEEK10:

THE EARTH IN SPACE

- History of space travel
- Reasons, advantages and problems of space travel
- Satellites

**REFERENCE: Spectrum basics science /Tech page 109-113**

WEEK11:

REPEAT THE TOPIC /CONTENT OF 10<sup>TH</sup> WEEK

WEEK12:

Revision

WEEK13 AND 14

Exams and Record

**Reference Textbooks**

1. Spectrum – Basic Science and Technology Book 1
2. Effective Basic Science for Junior Secondary School Book 1

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