

Basic Science and Technology Foundations

Level: Upper Primary – Junior Secondary School (JS1–JS3)

Instructor: Afolabi Oladayo Daniel

Course Overview

This course introduces learners to the fundamental concepts of Basic Science and Technology through practical examples, interactive discussions, and problem-solving activities. It is designed to strengthen scientific thinking, technological awareness, and everyday application of scientific principles.

Learning Objectives

By the end of this course, learners will be able to:

- Understand key concepts in Basic Science and Technology.
- Apply scientific knowledge to everyday situations.
- Develop critical thinking and problem-solving skills.
- Identify the role of technology in modern society.
- Demonstrate improved performance in school assessments and examinations.

Course Modules

Module 1: Introduction to Science and Technology

- Meaning and importance of science
- Branches of science
- Technology and its applications

Module 2: Living Things and the Environment

- Characteristics of living things
- Ecosystems and habitats
- Environmental conservation

Module 3: Matter, Energy, and Materials

- States of matter
- Forms and sources of energy
- Properties and uses of common materials

Module 4: Human Body and Health

- Body systems and functions
- Personal hygiene
- Disease prevention and healthy living

Module 5: Basic Technology and Innovation

- Simple machines
- Tools and technological devices
- Safety in technology and everyday life

Teaching Approach

- Interactive lessons
- Practical examples and demonstrations
- Quizzes and assessments
- Homework support and revision sessions

Target Learners

Upper Primary and Junior Secondary School students seeking to strengthen their understanding of Basic Science and Technology and improve academic performance.

Duration

Flexible (Weekly classes or customized learning plans available).