



In partnership with



SHELL STREAM CLUBS

LEARNING OBJECTIVES

By participating in the club for the term (September- December 2021), students will cover the following topics and objectives in the specified subject areas:

Mathematics

Topics: Quadratic Equations and Graphs

Students should be able to:

1. Appreciate the use of Algebra as a language and a form of communication
2. Appreciate the role of symbols and algebraic techniques in solving problems in mathematics and related fields.
3. Demonstrate the ability to reason with abstract entities.
4. Appreciate the usefulness of concepts in relations and graphs to solve real-world problems

Biology

Topics: Human Impact on the Environment, Nutrition

Students should be able to:

1. Appreciate the nature of the world's resources and the significance of recycling materials in nature.
2. Be aware of the effect of human activities on the environment.
3. Distinguish among heterotrophic, autotrophic and saprophytic nutrition

Chemistry

Topics: Periodic Table, Structure of Bonding, Principles of Chemistry

Students should be able to:

1. Be familiar with the concept of the atom as the basic building block of matter.
2. Appreciate that matter can be classified based on physical or chemical properties.
3. Be aware of the different forces of attraction that exist between particles
4. Understand the mole as the unit for comparison of amounts of matter
5. Appreciate that properties of chemicals will affect their reactions;

Physics

Topics: Mechanics

Students should be able to:

1. Understand the importance of measurement and graphical representation.
2. Appreciate the difference between scalar and vector quantities.
3. Be familiar with the various effects of forces e.g turning forces.
4. Understand Newton's three laws of motions.