

Grade 10 Biology - Sierra Leone Curriculum

This curriculum introduces Grade 10 students to fundamental biological concepts with emphasis on Sierra Leone's rich biodiversity and environmental challenges. Students will explore local ecosystems and conservation efforts.

Learning Objectives:

- Understand cell structure and function
- Study Sierra Leone's diverse ecosystems
- Learn about local plant and animal species
- Understand environmental conservation
- Apply biological concepts to local contexts

Content Overview:

Unit 1: Cell Biology

Students learn about cell structure using examples from Sierra Leone's agricultural crops and local plants found in the rainforests.

Unit 2: Sierra Leone Ecosystems

Study of rainforests, mangroves, and savannas in Sierra Leone. Students explore the unique biodiversity of these ecosystems.

Unit 3: Local Species

Focus on Sierra Leone's endemic species, including the pygmy hippopotamus, chimpanzees, and various bird species.

Unit 4: Conservation Biology

Understanding conservation challenges in Sierra Leone, including deforestation, wildlife protection, and sustainable development.

Assessment:

Students will be assessed through: • Laboratory work with local specimens • Field studies in Sierra Leone ecosystems • Research projects on local species • Conservation action plans