

LESSON PLAN

School: Luigi Giussani High School

Date: 28th -01-2020

Teacher: Mr. Kugonza Arthur

Time: 12:00 – 1:00pm

Duration: 60 minutes

No. of students: 50 (30 boys and 20 girls)

Class: S.1 B

Subject: Biology

Theme: Diversity of living things

Topic: Introduction to biology

Learning outcomes: learners should be able to appreciate that biology is the study of life and that biology is applied in everyday life. (K, U).

Competences to be developed in this lesson:

- i) Values (respect for humanity and environment, creativity and innovativeness, social responsibility, national unity).
- ii) Key learning outcomes (self-assured individuals, responsible and patriotic citizens, lifelong learners, positive contributors to society).
- iii) Generic skills (critical thinking and problem-solving, creativity and innovations, communication, co-operation and self-directed learning).
- iv) Cross cutting issues (environmental awareness, health awareness, mixed abilities).

Rationale:

In this lesson, learners will use the pictures to identify the various occupations that require the knowledge of biology and understand that biology is applied in everyday life and that the study of biology is important. In individual work or in small groups, learners will look at the pictures provided and discuss what work they can do after studying biology to improve their life and those in the community. By doing this, the learners' curiosity and interest in the subject of biology will be stimulated. This is their first lesson of biology and the first out of a series of 8 lessons in the introduction to biology.

Pre-requisite knowledge: students already have knowledge on the various science occupations/professions.

Teaching learning materials: pictures of various occupations, note book, pen/pencil.

Reference: lower secondary curriculum, biology syllabus NCDC 2019 pg 15.

Time/stage	Teacher activity	Learners' activity	Indicators to learning/assessment
15 minutes Introduction stage	Biology in everyday life: The practical nature of biology helps you to acquire skills such as inquiry, observation and making informed decisions. The study of biology enables you to understand how your body works and how you can take good care of it. Biology develops your concern for the environment and promote its	Learners brainstorm about why they think it's important to study biology. Expected responses: <ul style="list-style-type: none">To get knowledge on how to treat the sick.To get knowledge on how to manufacture drugs.	Check learner's ability to: <ul style="list-style-type: none">Actively participate in classPut up their hands and wait on the teacher to choose one learner at a time.

	<p>conservation. Biology is a foundation for several science-based occupations/careers. An introduction to biology will enable you to establish relations between living organisms that carry out several essential processes making them coexist and be valuable in our environment.</p> <p>Task: Why do you think you need to study biology? <i>(Teacher listens to the learners responses)</i></p>	<ul style="list-style-type: none"> • To get knowledge on how to conserve the environment. • To know how our body functions. • To know more about living organisms in relation to their surroundings. 	<ul style="list-style-type: none"> • Listen attentively. • Talk confidently and explain ideas.
<p>30 minutes</p> <p>Lesson development stage</p>	<p>Key question Do you know of an occupation or job that requires the knowledge of Biology? <i>(Teacher moves around the class monitoring learners' discussions.)</i> <i>Probe to find out why they chose a particular job or occupation.</i></p>	<ol style="list-style-type: none"> 1. In small groups, learners look at the pictures provided, discuss and write down what work they can do after studying biology to improve their life and those in the community. 2. Learners present what they have discussed in their groups. 	<p>Check learners' ability to:</p> <ul style="list-style-type: none"> • Observe the pictures. • Discus and share ideas in groups. • Interact effectively with others. • Talk confidently and explain ideas clearly.
<p>10 minutes</p> <p>Evaluation (exercise to check on attainment of learning)</p>	<p>State four reasons why biology should be learnt?</p>	<p>Learning points</p> <ul style="list-style-type: none"> • To get knowledge on how to treat the sick. • To get knowledge on how to manufacture drugs. • To get knowledge on how to conserve the environment. • To know how our body functions. • To know more about living organisms in relation to their surroundings. 	<p>Check whether learners are able to use the knowledge and understanding to respond to the exercise.</p>
<p>5 minutes</p> <p>Conclusion stage</p>	<p>Recap: to what extent is biology applied in everyday life?</p>	<p>Learners should be able to respond by saying:</p> <ul style="list-style-type: none"> • In the treatment of the sick people. • In the manufacture of drugs. • In the conservation and treatment of wild life. • Eating balanced meals/diet. 	<p>Check whether learners were able to explain the extent to which biology is applied in everyday life.</p>