UGANDA NATIONAL EXAMINATIONS BOARD

CONTINUOUS ASSESSMENT OBSERVATION CHECKLIST

553 BIOLOGY

Senior 4, Term 2

Centre/CA No: ..... **Year:** .....

Learner's Name: ..... **Learner ID:** .....

Instructions to the facilitator:

1. This observation checklist contains **one** competency, which **must** be assessed by the end of this term.
2. Please **tick** against the indicator(s) the learner has exhibited at every level assessed.
3. Record the **number of indicators observed** in the boxes provided at the end of each level for **Subject Competency (SC)** and **Generic Skill (GS)**.
4. Indicate **N/A** if the learner has not been assessed for a particular level(s).

Theme:	Interrelationships.
Topic:	Concept of Ecology.
Learning Outcome(s):	Understand the concepts of communities, habitats, and ecosystems.
Subject Competency (SC):	Carries out an ecological study/investigation.
Generic Skill (GS):	Mathematical computation and ICT proficiency.
Learning Domain:	Psychomotor.

Level 1: Imitation

Subject Competency (SC): Imitating the teacher/peer/laboratory technician/resource person/video clip, etc., carrying out an ecological study/investigation on living organisms and how they interact with one another and their environment in their habitats/communities/ecosystems, the learner:

- Identifies the area of study.
- Identifies living organisms in the area of study.
- Identifies non-living components in the area of study.
- Identifies dominant organisms in the area of study.
- Identifies non-dominant organisms in the area of study.
- Categorises organisms into different trophic levels.
- Records data.

- Uses data collected to illustrate the feeding relationships of living organisms in the area of study.

Generic Skill (GS): Imitating the teacher/peer/laboratory technician/resource person/video clip, etc., demonstrating mathematical computation and ICT proficiency while carrying out an ecological study/investigation on living organisms and how they interact with one another and their environment in their habitats/communities/ecosystems, the learner:

- Uses numbers and measurements accurately.
- Interprets and interrogates mathematical data.
- Uses mathematics to justify and support decisions.
- Uses technology to create, manipulate, and process information.
- Uses technology to collaborate, communicate, and refine their work.

Level 1 Indicators	
SC	**GS**

Level 2: Manipulation

Subject Competency (SC): Following instructions from the teacher/peer/laboratory technician/resource person/video clip, etc., to carry out an ecological study/ investigation on living organisms and how they interact with one another and their environment in their habitats/communities/ecosystems, the learner:

- Identifies the area of study.
- Identifies living organisms in the area of study.
- Identifies non-living components in the area of study.
- Identifies dominant organisms in the area of study.
- Identifies non-dominant organisms in the area of study.
- Categorises organisms into different trophic levels.
- Records data.
- Uses data collected to illustrate the feeding relationships of living organisms in the area of study.

Generic Skill (GS): Following instructions from the teacher/peer/laboratory technician/resource person/video clip, etc., to demonstrate mathematical computation and ICT proficiency while carrying out an ecological study/ investigation on living organisms and how they interact with one another and their environment in their habitats/communities/ecosystems, the learner:

- Uses numbers and measurements accurately.
- Interprets and interrogates mathematical data.
- Uses mathematics to justify and support decisions.
- Uses technology to create, manipulate, and process information.

- Uses technology to collaborate, communicate, and refine their work.

Level 2 Indicators	
SC	**GS**

Level 3: Precision

Subject Competency (SC): Carrying out an ecological study/investigation on living organisms and how they interact with one another and their environment in their habitats/communities/ecosystems, independently but with minimal errors, the learner:

- Identifies the area of study.
- Identifies living organisms in the area of study.
- Identifies non-living components in the area of study.
- Identifies dominant organisms in the area of study.
- Identifies non-dominant organisms in the area of study.
- Categorises organisms into different trophic levels.
- Records data.
- Uses data collected to illustrate the feeding relationships of living organisms in the area of study.

Generic Skill (GS): Demonstrating mathematical computation and ICT proficiency independently while carrying out an ecological study/investigation on living organisms and how they interact with one another and their environment in their habitats/communities/ecosystems, the learner:

- Uses numbers and measurements accurately.
- Interprets and interrogates mathematical data.
- Uses mathematics to justify and support decisions.
- Uses technology to create, manipulate, and process information.
- Uses technology to collaborate, communicate, and refine their work.

Level 3 Indicators	
SC	**GS**

Level 4: Articulation

Subject Competency (SC): Carrying out an ecological study/investigation on living organisms and how they interact with one another and their environment in their habitats/communities/ecosystems correctly and innovatively, the learner:

- Identifies the area of study.

- Identifies living organisms in the area of study.
- Identifies non-living components in the area of study.
- Identifies dominant organisms in the area of study.
- Identifies non-dominant organisms in the area of study.
- Categorises organisms into different trophic levels.
- Records data.
- Uses data collected to illustrate the feeding relationships of living organisms in the area of study.

Generic Skill (GS): Demonstrating mathematical computation and ICT proficiency innovatively and correctly while carrying out an ecological study/investigation on living organisms and how they interact with one another and their environment in their habitats/communities/ecosystems, the learner:

- Uses numbers and measurements accurately.
- Interprets and interrogates mathematical data.
- Uses mathematics to justify and support decisions.
- Uses technology to create, manipulate, and process information.
- Uses technology to collaborate, communicate, and refine their work.

Level 4 Indicators	
SC	**GS**

Level 5: Naturalisation

Subject Competency (SC): Carrying out an ecological study/investigation on living organisms and how they interact with one another and their environment in their habitats/communities/ecosystems, with ease, the learner:

- Identifies the area of study.
- Identifies living organisms in the area of study.
- Identifies non-living components in the area of study.
- Identifies dominant organisms in the area of study.
- Identifies non-dominant organisms in the area of study.
- Categorises organisms into different trophic levels.
- Records data.
- Uses data collected to illustrate the feeding relationships of living organisms in the area of study.

Generic Skill (GS): Demonstrating mathematical computation and ICT proficiency innovatively while carrying out an ecological study/investigation on living organisms and how they interact with one another and their environment in their habitats/communities/ecosystems, with ease, the learner:

- Uses numbers and measurements accurately.

- Interprets and interrogates mathematical data.
- Uses mathematics to justify and support decisions.
- Uses technology to create, manipulate, and process information.
- Uses technology to collaborate, communicate, and refine their work.

Level 5 Indicators	
SC	**GS**