UGANDA NATIONAL EXAMINATIONS BOARD

CONTINUOUS ASSESSMENT OBSERVATION CHECKLIST

456 MATHEMATICS

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:	Geometry and measures.
Topic:	Lines and planes in three dimensions.
Learning Outcome(s):	1. Apply Pythagoras theorem in 3-D to calculate the distance between two points. 2. Finds the angle between a line and a plane. 3. Finds the angle between two planes.
Subject Competency (SC):	Demonstrates knowledge of 3-D.
Generic Skill (GS):	Creativity and innovation.
Learning Domain:	Psychomotor.

Level 1: Imitation

Subject Competency (SC): Imitating the teacher/peer/resource person/video clip, etc., demonstrating knowledge of 3-D, the learner:

- Identifies appropriate materials.
- Describes shapes.
- Measures and draws lines to form 2-D shapes.
- Joins 2-D shapes at an angle to form 3-D shapes.
- Uses mathematical concepts involved in calculating the length of sides and angles.
- Makes a conclusion.

Generic Skill (GS): Imitating the teacher/peer/resource person/video clip, etc., demonstrating Creativity and Innovation while demonstrating knowledge of 3-D, the learner:

- Uses imagination to explore possibilities.
- Works with others to generate ideas.
- Suggests and develops new solutions.
- Tries out innovative alternatives.
- Looks for patterns and makes generalisations.

Level 1 Indicators	
SC	**GS**

Level 2: Manipulation

Subject Competency (SC): Following instructions from the teacher/peer/resource person/video clip, etc., to demonstrate knowledge of 3-D, the learner:

- Identifies appropriate materials.
- Describes shapes.
- Measures and draws lines to form 2-D shapes.
- Joins 2-D shapes at an angle to form 3-D shapes.
- Uses mathematical concepts involved in calculating the length of sides and angles.
- Makes a conclusion.

Generic Skill (GS): Following instructions from the teacher/peer/resource person/video clip, etc., to demonstrate Creativity and Innovation while demonstrating knowledge of 3-D, the learner:

- Uses imagination to explore possibilities.
- Works with others to generate ideas.
- Suggests and develops new solutions.
- Tries out innovative alternatives.
- Looks for patterns and makes generalisations.

Level 2 Indicators	
SC	**GS**

Level 3: Precision

Subject Competency (SC): Demonstrating knowledge of 3-D independently but, with minimal errors, the learner:

- Identifies appropriate materials.
- Describes shapes.
- Measures and draws lines to form 2-D shapes.
- Joins 2-D shapes at an angle to form 3-D shapes.
- Uses mathematical concepts involved in calculating the length of sides and angles.
- Makes a conclusion.

Generic Skill (GS): Demonstrating Creativity and Innovation while demonstrating knowledge of 3-D, the learner:

- Uses imagination to explore possibilities.
- Works with others to generate ideas.
- Suggests and develops new solutions.
- Tries out innovative alternatives.
- Looks for patterns and makes generalisations.

Level 3 Indicators	
SC	**GS**

Level 4: Articulation

Subject Competency (SC): Demonstrating the knowledge of 3-D accurately and innovatively, the learner:

- Identifies appropriate materials.
- Describes shapes.
- Measures and draws lines to form 2-D shapes.
- Joins 2-D shapes at an angle to form 3-D shapes.
- Uses mathematical concepts involved in calculating the length of sides and angles.
- Makes a conclusion.

Generic Skill (GS): Demonstrating Creativity and Innovation correctly while demonstrating knowledge of 3-D, the learner:

- Uses imagination to explore possibilities.
- Works with others to generate ideas.
- Suggests and develops new solutions.
- Tries out innovative alternatives.
- Looks for patterns and makes generalisations.

Level 4 Indicators	
SC	**GS**

Level 5: Naturalisation

Subject Competency (SC): Demonstrating the knowledge of 3-D with ease, the learner:

- Identifies appropriate materials.
- Describes shapes.
- Measures and draws lines to form 2-D shapes.
- Joins 2-D shapes at an angle to form 3-D shapes.
- Uses mathematical concepts involved in calculating the length of sides and angles.
- Makes a conclusion.

Generic Skill (GS): Demonstrating Creativity and Innovation, with ease while demonstrating knowledge of 3-D, the learner:

- Uses imagination to explore possibilities.
- Works with others to generate ideas.
- Suggests and develops new solutions.
- Tries out innovative alternatives.
- Looks for patterns and makes generalisations.

Level 5 Indicators	
SC	**GS**