

UGANDA NATIONAL EXAMINATIONS BOARD CONTINUOUS ASSESSMENT OBSERVATION CHECKLIST 535 PHYSICS

Senior 3, Term 1

Centre/CA No:	Year:
Learner's Name:	Learner ID:
the end of this term. 2. Please tick against the indicator(s) tassessed.	bserved in the boxes provided at the end of (SC) and Generic Skill (GS).
Theme: Topic: Learning Outcome(s): Subject Competency (SC): Generic Skill (GS): Learning Domain:	Light Refraction, Dispersion, and Colours. Determine the refractive index of glass. Carries out an investigation to determine the refractive index of glass. Cooperation and self-directed learning. Psychomotor.
Leve	l 1: Imitation
	he teacher/peer/video clip/laboratory stigation to determine the refractive index o
States the aim of the experiment clear Identifies the independent variable conditions the dependent variable correlations. Identifies the controlled variable corresponds to the hypothesis of the experiment Lists all the relevant apparatus/mater	rrectly. ectly. ectly. nt clearly, using relevant words.

 □ Draws/makes correct experimental setup. □ Writes the procedure of the experiment coherently/logically. □ Identifies and writes risks/errors or sources of errors in the experiment out. □ States the precaution(s)/mitigation(s) to the identified error(s). □ Carries out the experiment/investigation, following the stated procedure □ Presents/records data in a logical format. □ Records data accurately, based on the instrument used and the required □ Carries out data analysis using an appropriate method(s). □ Interprets data correctly. □ Draws an appropriate conclusion, based on the interpretation made. □ Gives appropriate advice/recommendation(s), based on the findings. 			
Generic Skill (GS): Imitating the teacher/peer/video clip/laboratory technician, etc., demonstrating cooperation & self-directed learning while carrying out an investigation to determine the refractive index of glass, the learner:			
 □ Works effectively in diverse teams while determining the refractive index of glass. □ Interacts effectively with others while determining the refractive index of glass. □ Takes responsibility for own learning while determining the refractive index of glass. □ Works independently with persistence in determining the refractive index of glass. □ Manages goals and time. 			
Level	Indicators		
SC	GS		
Level 2: Manipulation			
Subject Competency (SC): Following instructions from the teacher, video clip, peer, manual, etc., to carry out an investigation to determine the refractive index of glass, the learner:			

	Presents/records data in a logical format. Records data accurately, based on the instrument used and the Carries out data analysis using an appropriate method(s). Interprets data correctly. Draws an appropriate conclusion, based on the interpretation m Gives appropriate advice/recommendation(s), based on the findicates.	ade.	ange.
Ge	eneric Skill (GS): Following instructions from the teacher, vicanual, etc., to demonstrate cooperation & self-directed learn	leo clip, p	*
	it an investigation to determine the refractive index of glass	_	
	Works effectively in diverse teams while determining the refractive Interacts effectively with others while determining the refractive Takes responsibility for own learning while determining the refract Works independently with persistence in determining the refract Manages goals and time.	index of glactive index	ass. c of glass.
		Level 2 I	ndicators
		SC	GS
	Level 3: Precision ubject Competency (SC): Carrying out an investigation to det fractive index of glass independently but with minimal error		
	States the aim of the experiment clearly, using relevant words. Identifies the independent variable correctly. Identifies the dependent variable correctly. Identifies the controlled variable correctly. States the hypothesis of the experiment clearly, using relevant we Lists all the relevant apparatus/materials required for the experiment Draws/makes correct experimental setup. Writes the procedure of the experiment coherently/logically. Identifies and writes risks/errors or sources of errors in the experiment.	ment.	be carried
	States the precaution(s)/mitigation(s) to the identified error(s). Carries out the experiment/investigation, following the stated pr Presents/records data in a logical format. Records data accurately, based on the instrument used and the Carries out data analysis using an appropriate method(s). Interprets data correctly. Draws an appropriate conclusion, based on the interpretation m Gives appropriate advice/recommendation(s), based on the findir	required ra	ange.

Generic Skill (GS): Demonstrating cooperation & self-directed learning independently while carrying out an investigation to determine the refractive index of glass, the learner:

Works effectively in diverse teams while determining the refractive index of glass.
Interacts effectively with others while determining the refractive index of glass.
Takes responsibility for own learning while determining the refractive index of glass.
Works independently with persistence in determining the refractive index of glass.
Manages goals and time.

Level 3 Indicators		
SC	GS	

Level 4: Articulation

Subject Competency (SC): Carrying out an investigation to determine the refractive index of glass correctly and innovatively, the learner:

	States the aim of the experiment clearly, using relevant words.
	Identifies the independent variable correctly.
	Identifies the dependent variable correctly.
	Identifies the controlled variable correctly.
	States the hypothesis of the experiment clearly, using relevant words.
	Lists all the relevant apparatus/materials required for the experiment.
	Draws/makes correct experimental setup.
	Writes the procedure of the experiment coherently/logically.
	Identifies and writes risks/errors or sources of errors in the experiment to be carried out.
	States the precaution(s)/mitigation(s) to the identified error(s).
	Carries out the experiment/investigation, following the stated procedure.
	Presents/records data in a logical format.
	Records data accurately, based on the instrument used and the required range. Carries out data analysis using an appropriate method(s). Interprets data correctly.
	Draws an appropriate conclusion, based on the interpretation made.
	Gives appropriate advice/recommendation(s), based on the findings.
aı	eneric Skill (GS): Demonstrating cooperation & self-directed learning correctly and innovatively while carrying out an investigation to determine the refractive idex of glass, the learner:
	Works effectively in diverse teams while determining the refractive index of glass. Interacts effectively with others while determining the refractive index of glass. Takes responsibility for own learning while determining the refractive index of glass.

 □ Works independently with persistence in determining the refractive index of glass. □ Manages goals and time. 		
	Level 4 In	ndicators
	sc	GS
Level 5: Naturalisation Subject Competency (SC): Carrying out an investigation to det refractive index of glass with ease, the learner:	ermine the	e
 □ States the aim of the experiment clearly, using relevant words. □ Identifies the independent variable correctly. □ Identifies the controlled variable correctly. □ States the hypothesis of the experiment clearly, using relevant words. □ Lists all the relevant apparatus/materials required for the experiment controlled variable correct experimental setup. □ Writes the procedure of the experiment coherently/logically. □ Identifies and writes risks/errors or sources of errors in the experiment. □ States the precaution(s)/mitigation(s) to the identified error(s). □ Carries out the experiment/investigation, following the stated propresents/records data in a logical format. □ Records data accurately, based on the instrument used and the carries out data analysis using an appropriate method(s). □ Interprets data correctly. □ Draws an appropriate conclusion, based on the interpretation more Gives appropriate advice/recommendation(s), based on the finding. 	eriment to lacedure. required relaced	
Generic Skill (GS): Demonstrating cooperation & self-directed while carrying out an investigation to determine the refractive learner:	_	
 □ Works effectively in diverse teams while determining the refractive index of glass. □ Interacts effectively with others while determining the refractive index of glass. □ Takes responsibility for own learning while determining the refractive index of glass. □ Works independently with persistence in determining the refractive index of glass. □ Manages goals and time. 		
	Level 5 In	ndicators
	SC	GS