

UGANDA NATIONAL EXAMINATIONS BOARD CONTINUOUS ASSESSMENT OBSERVATION CHECKLIST 535 PHYSICS

Senior 3, Term 2

Centre/CA No:	Year:
Learner's Name:	Learner ID:
by the end of this term.	nins one competency, which must be assessed
assessed.	r(s) the learner has exhibited at every level
3. Record the number of indicato of each level for Subject Compe	etency (SC) and Generic Skill (GS). not been assessed for a particular level(s).
Theme:	Light
Topic:	Lenses and Optical Instruments.
Learning Outcome(s):	Know the properties of converging and diverging lenses, and how they are used in everyday life.
Subject Competency (SC):	Carries out investigations to determine the focal length of lenses.
Generic Skill (GS): Learning Domain:	Critical thinking and problem-solving. Psychomotor.
]	Level 1: Imitation
_ , ,	ng the teacher/peer/video clip/laboratory investigation to determine the focal length of
V 1	le correctly.

 □ 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. 	expe	riment to l	oe carried
out. ☐ States the precaution(s)/mitigation(s) to the identified error(s) ☐ Carries out the experiment/investigation, following the stated ☐ Presents/records data in a logical format. ☐ Records data accurately, based on the instrument used and t ☐ Carries out data analysis using an appropriate method(s). ☐ Interprets data correctly. ☐ Draws an appropriate conclusion, based on the interpretation ☐ Gives appropriate advice/recommendation(s), based on the fire	l prothe i	required ra ade.	inge.
Generic Skill (GS): Imitating the teacher/peer/video clip/la etc., demonstrating critical thinking and problem-solving slinvestigation to determine the focal length of lenses, the le	kills	s in carryi	•
 □ Plans and carries out investigations. □ Sorts and analyses information. □ Identifies problems and ways forward. □ Predicts outcomes and makes reasonable decisions. □ Evaluates different solutions. 			
		Level 1 Ir	
	-	SC	GS
Level 2: Manipulation			
Subject Competency (SC): Following instructions from the t peer/manual, etc., to carry out an investigation to determine lenses, the learner:		-	
 □ 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 □ Lists all the relevant apparatus/materials required for the experimental setup. □ Draws/makes correct experimental setup. □ Writes the procedure of the experiment coherently/logically. □ Identifies and writes risks/errors or sources of errors in the experimental setup. 	nt w peri expe	ment.	oe carried
☐ States the precaution(s)/mitigation(s) to the identified error(s)☐ Carries out the experiment/investigation, following the stated☐ Presents/records data in a logical format.		ocedure.	
☐ Records data accurately, based on the instrument used and t	the i	required ra	ınge.

☐ Carries out data analysis using an appropriate method(s).		
☐ Interprets data correctly.	1 .	
Draws an appropriate conclusion, based on the interpretation r		
☐ Gives appropriate advice/recommendation(s), based on the find	ings.	
Generic Skill (GS): Following instructions from the teacher/vimanual, etc., to demonstrate critical thinking and problem-so carrying out an investigation to determine the focal length of	lving skills	s in
 □ Plans and carries out investigations. □ Sorts and analyses information. □ Identifies problems and ways forward. □ Predicts outcomes and makes reasonable decisions. □ Evaluates different solutions. 		
	Level 2 In	ndicators
	SC	GS
Level 3: Precision		
Subject Competency (SC): Carrying out an investigation to de length of lenses independently with minimal errors, the learn		e focal
☐ 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 expe	riment.	
☐ Draws/makes correct experimental setup.		
□ Writes the procedure of the experiment coherently/logically.		
$\hfill \square$ Identifies and writes risks/errors or sources of errors in the exp	eriment to	be carried
out.		
☐ States the precaution(s)/mitigation(s) to the identified error(s).		
☐ Carries out the experiment/investigation, following the stated p	rocedure.	
☐ Presents/records data in a logical format.		
☐ Records data accurately, based on the instrument used and the	required ra	ange.
☐ Carries out data analysis using an appropriate method(s).		
☐ Interprets data correctly.		
☐ Draws an appropriate conclusion, based on the interpretation r	nade.	

☐ Gives appropriate advice/recommendation(s), based on the findings.

Generic Skill (GS): Demonstrating critical thinking and problem-solving skills independently in carrying out an investigation to determine the focal length of lenses, the learner: ☐ Plans and carries out investigations. □ Sorts and analyses information. ☐ Identifies problems and ways forward. ☐ Predicts outcomes and makes reasonable decisions. ☐ Evaluates different solutions. **Level 3 Indicators** SC GS **Level 4: Articulation** Subject Competency (SC): Carrying out an investigation to determine the focal length of lenses 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 ☐ 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. Generic Skill (GS): Demonstrating critical thinking and problem-solving skills correctly while carrying out an investigation to determine the focal length of lenses, the learner: ☐ Plans and carries out investigations. □ Sorts and analyses information. ☐ Identifies problems and ways forward. ☐ Predicts outcomes and makes reasonable decisions.

☐ Evaluates different solutions.

Level 4 Indicators		
SC	GS	

Level 5: Naturalisation

Subject Competency (SC): Carrying out an investigation to determine the focal length of lenses with ease, the learner:

□ Ic □ Ic □ Ic □ S	tates the aim of the experiment clearly, using relevant words. lentifies the independent variable correctly. lentifies the dependent variable correctly. lentifies the controlled variable correctly. tates the hypothesis of the experiment clearly, using relevant words. ists all the relevant apparatus/materials required for the experiment.
	raws/makes correct experimental setup.
	Vrites the procedure of the experiment coherently/logically. lentifies and writes risks/errors or sources of errors in the experiment to be carried ut.
S	tates the precaution(s)/mitigation(s) to the identified error(s).
	arries out the experiment/investigation, following the stated procedure. resents/records data in a logical format.
□ C	ecords data accurately, based on the instrument used and the required range. arries out data analysis using an appropriate method(s).
□ D	raws an appropriate conclusion, based on the interpretation made. ives appropriate advice/recommendation(s), based on the findings.
whi	neric Skill (GS): Demonstrating cooperation & self-directed learning with ease le carrying out an investigation to determine the focal length of lenses, the mer:
□ S □ Id □ P	lans and carries out investigations. orts and analyses information. lentifies problems and ways forward. redicts outcomes and makes reasonable decisions. valuates different solutions.

Level 5 Indicators		
SC	GS	