

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.	ains one competency, which must be assessed
2. Please tick against the indicato assessed.	r(s) the learner has exhibited at every level
3. Record the number of indicato of each level for Subject Comp	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.
1	Level 1: Imitation
_ , ,	ng the teacher/peer/video clip/laboratory investigation to determine the focal length of
V 1	le correctly. 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 exout. 	xperiment to	be 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. □ Records data accurately, based on the instrument used and the carries out data analysis using an appropriate method(s). □ Interprets data correctly.	procedure.	range.
 Draws an appropriate conclusion, based on the interpretation Gives appropriate advice/recommendation(s), based on the fir 		
Generic Skill (GS): Imitating the teacher/peer/video clip/lal etc., demonstrating critical thinking and problem-solving skinvestigation to determine the focal length of lenses, the lea	ills in carry	
 Plans and carries out investigations to determine the focal length Sorts and analyses information in determining the focal length Identifies problems and ways forward in determining the focal Predicts outcomes and makes reasonable decisions in determinate a convex lens. Evaluates different solutions in determining the focal length or 	of a convex length of a cining the foc	t lens. convex lens al length of
	Level 1	Indicators
	SC	GS
Level 2: Manipulation		
Subject Competency (SC): Following instructions from the to	eacher/vide	o clip/
peer/manual, etc., to determine the focal length of lenses, t	_	• ′
	he learner: /laboratory	manual,

 $\ \square$ 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 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.	required ra ade.	ınge.
m	eneric Skill (GS): Following instructions from the teacher/vio anual, etc., to demonstrate critical thinking and problem-sol arrying out an investigation to determine the focal length of	ving skills	in
	Plans and carries out investigations to determine the focal length Sorts and analyses information in determining the focal length of Identifies problems and ways forward in determining the focal length of Predicts outcomes and makes reasonable decisions in determining a convex lens.	f a convex ngth of a cong the foca	lens. onvex lens l length of
Ш	Evaluates different solutions in determining the focal length of a		
		Level 2 In	dicators GS
		SC	GS
	Level 3: Precision ubject Competency (SC): Carrying out an investigation to det ngth of lenses independently with minimal errors, the learne		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 we Lists all the relevant apparatus/materials required for the experimental setup. Writes the procedure of the experiment coherently/logically. Identifies and writes risks/errors or sources of errors in the experiment.	iment.	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. Records data accurately, based on the instrument used and the Carries out data analysis using an appropriate method(s). Interprets data correctly.		unge.

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 to determine the focal length Sorts and analyses information in determining the focal length of Identifies problems and ways forward in determining the focal length of Predicts outcomes and makes reasonable decisions in determining a convex lens.	f a convex ngth of a c	lens. onvex lens
	Evaluates different solutions in determining the focal length of a	convex len	ıs.
		Level 3 In	
		SC SC	GS
		- 50	<u> </u>
	Level 4: Articulation		
_			
	ubject Competency (SC): Carrying out an investigation to det ength of lenses correctly and innovatively, the learner:	ermine th	e focal
П	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 w	ords.	
	Lists all the relevant apparatus/materials required for the exper-	ment.	
	Draws/makes correct experimental setup.		
	Writes the procedure of the experiment coherently/logically.		
	Identifies and writes risks/errors or sources of errors in the experience.	eriment to 1	be carried
	States the precaution(s)/mitigation(s) to the identified error(s).		
	Carries out the experiment/investigation, following the stated pr	ocedure.	
	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 m		
	Gives appropriate advice/recommendation(s), based on the findi	ngs.	
G	eneric Skill (GS): Demonstrating critical thinking and proble	n-solving :	skills
C	orrectly while carrying out an investigation to determine the	focal leng	th of
16	enses, the learner:		
	Plans and carries out investigations to determine the focal lengtl	n of a conve	ex lens.
	Sorts and analyses information in determining the focal length of		

□ Identifies problems and ways forward in determining the focal length of a convex lens.

 □ Predicts outcomes and makes reasonable decisions in determining a convex lens. □ Evaluates different solutions in determining the focal length of a 		as.
Level 5: Naturalisation		
Subject Competency (SC): Carrying out an investigation to det length of lenses with ease, the learner:	ermine the	e focal
 □ States the aim of the experiment clearly, using relevant words. □ Identifies the independent variable correctly. □ Identifies the controlled variable correctly. □ Identifies the controlled variable correctly. □ States the hypothesis of the experiment clearly, using relevant w □ 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. □ States the precaution(s)/mitigation(s) to the identified error(s). □ Carries out the experiment/investigation, following the stated precords 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 method Gives appropriate advice/recommendation(s), based on the finding 	eriment to locedure. required rande.	
Generic Skill (GS): Demonstrating cooperation & self-directed length while carrying out an investigation to determine the focal length.	_	
 □ Plans and carries out investigations to determine the focal length □ Sorts and analyses information in determining the focal length o □ Identifies problems and ways forward in determining the focal length □ Predicts outcomes and makes reasonable decisions in determining a convex lens. □ Evaluates different solutions in determining the focal length of a 	f a convex ngth of a co ng the foca	lens. onvex lens. I length of

Level 5 Indicators	
SC	GS