

## 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.	ins <b>one</b> competency, which <b>must</b> be assessed
2. Please <b>tick</b> against the indicato assessed.	r(s) the learner has exhibited at every level
3. Record the <b>number of indicato</b> of each level for <b>Subject Compe</b>	rs observed in the boxes provided at the end 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.
I	Level 1: Imitation
_ , ,	ng the teacher/peer/video clip/laboratory investigation to determine the focal length of
V 1	le correctly.

<ul> <li>Draws/makes correct experimental setup.</li> <li>Writes the procedure of the experiment coherently/logically.</li> <li>Identifies and writes risks/errors or sources of errors in the expout.</li> </ul>	eriment to l	be carried
□ States the precaution(s)/mitigation(s) to the identified error(s). □ Carries out the experiment/investigation, following the stated p □ 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 red □ Gives appropriate advice/recommendation(s), based on the find	required ra	ange.
Generic Skill (GS): Imitating the teacher/peer/video clip/labo etc., demonstrating critical thinking and problem-solving skil investigation to determine the focal length of lenses, the lear	ls in carryi	•
<ul> <li>Plans and carries out investigations to determine the focal length</li> <li>Sorts and analyses information in determining the focal length</li> <li>Identifies problems and ways forward in determining the focal length</li> <li>Predicts outcomes and makes reasonable decisions in determina convex lens.</li> <li>Evaluates different solutions in determining the focal length of an account of the focal length.</li> </ul>	of a convex ength of a co ing the foca	lens. onvex lens l length of
	Level 1 In	ndicators
	SC	GS
Level 2: Manipulation		
Subject Competency (SC): Following instructions from the teapeer/manual, etc., to determine the focal length of lenses, the		clip/
Following instructions from the teacher, video clip, peer, science/etc., to carry out an investigation to determine the focal length of	•	•
<ul> <li>□ States the aim of the experiment clearly, using relevant words.</li> <li>□ Identifies the independent variable correctly.</li> <li>□ Identifies the dependent variable correctly.</li> </ul>		

 $\ \square$  States the precaution(s)/mitigation(s) to the identified error(s).

<ul> <li>□ Carries out the experiment/investigation, following the stated pr</li> <li>□ Presents/records data in a logical format.</li> <li>□ Records data accurately, based on the instrument used and the</li> <li>□ Carries out data analysis using an appropriate method(s).</li> <li>□ Interprets data correctly.</li> <li>□ Draws an appropriate conclusion, based on the interpretation m</li> <li>□ Gives appropriate advice/recommendation(s), based on the findi</li> </ul>	required r	ange.
Generic Skill (GS): Following instructions from the teacher/vio manual, etc., to demonstrate critical thinking and problem-sol carrying out an investigation to determine the focal length of	lving skill	s in
<ul> <li>□ Plans and carries out investigations to determine the focal length</li> <li>□ Sorts and analyses information in determining the focal length o</li> <li>□ Identifies problems and ways forward in determining the focal le</li> <li>□ Predicts outcomes and makes reasonable decisions in determining a convex lens.</li> <li>□ Evaluates different solutions in determining the focal length of a</li> </ul>	of a convex ngth of a cong the foca	lens. convex lens al length of
	Level 2 I	ndicators
	SC	GS
Level 3: Precision  Subject Competency (SC): Carrying out an investigation to det length of lenses independently with minimal errors, the learner		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 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 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.	eriment to rocedure.	

☐ 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 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.b
	Level 4: Articulation		
_			
	ubject Competency (SC): Carrying out an investigation to detength of lenses correctly and innovatively, the learner:	ermine the	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 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	oe 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 probler	n-solving :	skills
C	orrectly while carrying out an investigation to determine the	focal leng	th of
16	nses, the learner:		
	Plans and carries out investigations to determine the focal length	n of a conve	ex lens.
	Sorts and analyses information in determining the focal length o		

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

<ul> <li>□ Predicts outcomes and makes reasonable decisions in determining a convex lens.</li> <li>□ Evaluates different solutions in determining the focal length of a</li> </ul>		s.
Level 5: Naturalisation		
Subject Competency (SC): Carrying out an investigation to det length of lenses with ease, the learner:	ermine the	e focal
<ul> <li>□ States the aim of the experiment clearly, using relevant words.</li> <li>□ Identifies the independent variable correctly.</li> <li>□ Identifies the dependent variable correctly.</li> <li>□ Identifies the controlled variable correctly.</li> <li>□ States the hypothesis of the experiment clearly, using relevant w</li> <li>□ Lists all the relevant apparatus/materials required for the experiment Draws/makes correct experimental setup.</li> <li>□ Writes the procedure of the experiment coherently/logically.</li> <li>□ Identifies and writes risks/errors or sources of errors in the experiment.</li> <li>□ States the precaution(s)/mitigation(s) to the identified error(s).</li> <li>□ Carries out the experiment/investigation, following the stated pr</li> <li>□ Presents/records data in a logical format.</li> <li>□ Records data accurately, based on the instrument used and the</li> <li>□ Carries out data analysis using an appropriate method(s).</li> <li>□ Interprets data correctly.</li> <li>□ Draws an appropriate conclusion, based on the interpretation m</li> <li>□ Gives appropriate advice/recommendation(s), based on the finding</li> </ul>	eriment to be recedure. required ra	
Generic Skill (GS): Demonstrating cooperation & self-directed while carrying out an investigation to determine the focal lengthearner:	_	
<ul> <li>□ Plans and carries out investigations to determine the focal length</li> <li>□ Sorts and analyses information in determining the focal length of</li> <li>□ Identifies problems and ways forward in determining the focal le</li> <li>□ Predicts outcomes and makes reasonable decisions in determining a convex lens.</li> <li>□ Evaluates different solutions in determining the focal length of a</li> </ul>	of a convex ingth of a co	lens. onvex lens. I length of
Dvardates different solutions in determining the local length of a	Torrel E I	

Level 5 Indicators		
SC	GS	