COMPETENCE BASED CURRICULUM SCHEME OF WORK

TERM: .1, 2024 SCHOOL: CLASS: .S.2. SUBJECT: ... PHYSICS. TEACHER: ...

WEEK	PERIODS	ТНЕМЕ	торіс	SUB TOPIC	LEARNING AREA	COMPETENCY	LEARNING OUTCOME	METHODOLOGY	TEACHING AND LEARNING AID	COMMENT
1	06			WORK	THE MEANING OF WORK FACTORS THAT DETERMINE THE AMOUNT OF WORK DONE WORK DONE BY AN INCLINED FORCE	THE LEARNER UNDERSTANDS AND USES THE RELATIONSHIP BETWEEN ENERGY, WORK DONE AND POWER IN THE OPERATION OF SIMPLE MACHINES	THE LEARNER SHOULD BE ABLE TO: KNOW THE DIFFERENT SOURCES OF ENERGY AND THAT OF ALL THE SOURCES, THE SUN IS OUR MAJOR SOURCE OF ENERGY. KNOW THAT ENERGY CAN BE CHANGED FROM ONE FORM TO ANOTHER AND UNDERSTAND THE LAW OF CONSERVATION OF ENERGY. UNDERSTAND THE POSITIVE AND NEGATIVE EFFECTS OF SOLAR ENERGY. UNDERSTAND THE DIFFERENCRE BETWEEN RENEWABLE AND NON RENEWABLE ENERGY RESOURCES WITH RESPECT TO UGANDA. KNOW AND USE THE RELATIONSHIP BETWEEN WORKDONE, FORCE AND DISTANCE MOVED. UNDERSTAND THAT POWER IS THE RATE OF DOING WORK. UNDERSTAND THAT AN OBJECT MAY HAVE ENERGY DUE TO MOTION OR POSITION AND CHANGE BETWEEN KINETIC ENERGY AND POTENTIAL ENERGY. UNDERSTAND THE MEANING OF MACHINES AND EXPLAIN HOW MACHINE SIMPLIFY WORK. UNDERSTAND THE PRINCIPLE BEHIND THE OPERATION OF SIMPLE MACHINES.	GROUP DISCUSSION GROUP RESEARCH QUESTION AND ANSWER DEMONSTRATION PROBLEM SOLVING QUIZ SIMULATION EXPERIMENTATION PROFECT BRAIN STORMING	• LIBRARY RESOURCE • PICTURES • PROJECTOR • DICTIONARY • MANILA PAPER • INTERNET • LIBRARY RESOURCE • PICTURES • PROJECTOR • PENDULUM BOB • STRINGS • METRE RULE • LADDER • WEIGHING SCALE	
	02	OF MATTER) ENERGY		INSTANCES WHERE NO WORK IS DONE					
2	04			POWER	OF A MACHINE					
3	02									
	04	PER	AND	MO ENERGY	SOURCES OF ENERGY DIFFERENT FORMS OF				WOODENPLANKTAPE	
4	06	ICS AND PROPERTIES	WORK, POWER						MEASURE STONES STRONG THREAD PULLEYS NUTS BOLTS CAR JACK WOODEN PLANKS MARKERS	
5	06	MECHANICS	W	MACHINES						
6	06									
7	04									
-	02			•	ACTIVITY OF IN	TEGRATION (V	VORK POWER AND ENERGY	· · · · · · · · · · · · · · · · · · ·	•	1

WEEK	PERIODS	THEME	ТОРІС	SUB TOPIC	LEARNING AREA	COMPETENCY	LEARNING OUTCOME	METHODOLOGY	TEACHING AND LEARNING AID	COMMENT
8	06	3R	ry and	MOMENT OF A FORCE		THE LEARNER UNDERSTANDS AND USES THE RELATIONSHIP BETWEEN ENERGY, WORK DONE AND POWER IN THE OPERATION OF SIMPLE MACHINES	THE LEARNER SHOULD BE ABLE TO: UNDERSTAND THE TURNING EFFECT OF FORCES AND ITS APPLICATIONS. UNDERSTAND AND APPLY THE CONCEPT OF CENTRE OF GRAVITY.	• GROUP DISCUSSION • GROUP RESEARCH • QUESTION AND ANSWER • DEMONSTRATION • PROBLEM SOLVING • QUIZ • SIMULATION • OBSERVATION • EXPERIMENTATION • PROFECT • BRAIN STORMING	LIBRARY RESOURCE PICTURES PROJECTOR DICTIONARY MANILA PAPER INTERNET LIBRARY RESOURCE PICTURES PROJECTOR THREADS MASS HANGERS OF DIFFERENT MASS HALF METRE RULE PLASTICINE SLOTTED MASSES SPRING BALANCE RETORT STAND WEIGHING SCALE OPTICAL PINS MARKERS	
9	06	OF MATTER	E OF GRAVITY							
10	06	PROPERTIES	FORCES, CENTRE STABILITY		 PARALLEL FORCES IN EQUILIBRIUM COUPLES 					
11	04	MECHANICS AND PR	3 EFFECT OF		THE CONCEPT OF EQULIBRIUM AND STABILITY CONDITIONS FOR A BODY TO BE IN EQUILIBRIUM TYPES OF EQUILIBRIUM					
	02	ACTIVITY OF INTEGRATION (THE TURNING EFFECT OF FORCES, CENTRE OF GRAVITY AND STABILITY)								
12	<u> </u>	END OF TERM 1 ASSESSMENT								

REFERENCE:

- 1. A.F. ABBOT (1989), PHYSICS, 5TH EDITION HEINEMAN EDUCATIONAL PUBLISHERS, ENGLAND.
- 2. ATIKINSON A (1993), COMPLETE JUNIOR PHYSICS, INTERNATIONAL EDITION, LONGMAN PUBLISHERS.
- 3. JOHN AVISION (1985), THE WORLD OF PHYSICS, THOMAS NELSON AND SONS, UK.
- 4. TOM DUNCAN (2011), PHYSICS FOR TODAY AND TOMORROW, HODDER EDUCATION, UK.
- 5. L.E FOLIVI AND A GODMAN (1992), NEW CERTIFICATE PHYSICS, NEW EDITION, LONGMAN, ENGLAND.
- 6. NCDC REFERENCE BOOKS FOR THE COMPETENCE BASED CURRICULUM (S.2 LEANERS' BOOKS AND S.2 TEACHER' S GUIDES).
- 7. NELKON M (1990) PRINCIPLES PF PHYSICS, 8TH EDITION, LONGMAN PUBLISHERS
- 8. NEW LOWER SECONDARY CURRICULUM PHYSICS SYLLABUS.
- 9. WIKIPEDIA ONLINE ENCYCLOPEDIA
- 10. https://digitalteaccers.co.ug.
- 11. https://etutoring.gayazahs.sc.ug.
- 12. https://researchguides.case.edu/physics.
- 13. https://scienceeducatorsuganda.com.

PREPARED BY;	APPROVED BY;	
SUBJECT TEACHER	HOD	DOS