

2021

# INTEGRATED SCIENCE SCHEME OF WORK

1ST SEM 2021

This document consist of weekly Integrated Science scheme of work for JHS (J.H.S. 1, 2 and 3) prepared by myEduAid-Ghana; an NGO whose focus is providing Educational Support. For more info visit [www.myeduidghana.org](http://www.myeduidghana.org) or call or Whatsapp 0246068674/ 0247171345. You can also send a mail to [exams@myeduidghana.org](mailto:exams@myeduidghana.org)

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NGO

01/01/2021



**INT. SCIENCE WEEKLY SCHEME OF WORK FOR J.H.S. ONE (J. H. S. 1)**

<b>WEEK</b>	<b>TOPIC</b>	<b>REMARK</b>
1	Reopening, registration, cleaning and revision	<b>RECOVERY WEEKS</b>
2	FORCES AND ENERGY	
3	FORCES AND MOVEMENTS	
4	HUMANS AND THE ENVIRONMENT	
5	Personal Hygiene and Sanitation	
6	DISEASES	
7	SCIENCE AND INDUSTRY	
8	CLIMATE CHANGE	
9	<b>MID SEMESTER</b>	
10	MATERIALS AS IMPORTANT RESOURCES FOR PROVIDING HUMAN NEEDS Classification of materials into liquids, solids and gas	
11	MATERIALS AS IMPORTANT RESOURCES FOR PROVIDING HUMAN NEEDS Importance of liquids in the life of humans Importance of specific solids to life	
12	THE PERIODIC TABLE The orderly arrangement of metals, non-metals and noble gases in the Periodic Table	
13	THE STRUCTURE OF ORGANISMS AND FUNCTIONS OF CELLS IN LIVING SYSTEMS Structure and function of living cells of an animal.	
14	Functions of each organelle in a plant cell	
15	WATER CYCLE Know how water cycle occurs as a repeated pattern in nature.	
16	Importance of water cycle in nature.	
17	THE STAGES OF THE LIFE CYCLE OF HOUSEFLY,EFFECTS OF ITS ACTIVITIES ON HUMANS AND HOW TO REDUCE THEM The life cycle of the housefly.	
18	The activities of the housefly as a menace to humans Activities e.g. feeding, reproduction and any other	
19	<b>REVISION</b>	
20	<b>EXAMS</b>	

**INT. SCIENCE WEEKLY SCHEME OF WORK FOR J.H.S. TWO (J. H. S. 2)**

<b>WEEK</b>	<b>TOPIC</b>	<b>REMARK</b>
1	Reopening, registration, cleaning and revision	<b>RECOVERY WEEKS</b>
2	<b>INTERACTION OF MATTER</b> Ecosystems Food chain and food web	
3	<b>INTERACTION OF MATTER</b> Ecosystem Threat to Ecosystem	
4	<b>INTERACTION OF MATTER</b> Ecosystem Maintenance of balance in nation	
5	<b>ENERGY</b> Basic Electronics Circuit symbols of components of basic electronics listed in the content	
6	Basic Electronics Charging and discharging action of a capacitor	
7	<b>INTERACTION OF MATTER</b> Air Pollution Air Pollutants Harmful Effects of Air Pollutant	
8	<b>PHYSICAL AND CHEMICAL CHANGE</b> Physical Change Chemical Change	
9	<b>MID SEMESTER</b>	
10	<b>DIVERSITY OF MATTER</b> Meaning of element, compounds and mixtures, Chemical representation of substance by symbols. Eg sodium –Na, Potassium –K etc	
11	<b>THE ATOMIC STRUCTURE</b> Atomic structure showing the KLMN shell Sub-atomic particles and their charges, ways of disruption of carbon cycle	
12	<b>REPRODUCTION IN HUMAN</b> Function of parts of female and male reproductive system of human	
13	<b>TEENAGE PREGNANCY</b> Causes of teenage pregnancy, effects of teenage pregnancy	
14	<b>HEREDITY</b> Meaning of heredity Inheritable characteristics	
15	<b>ENERGY</b> Photosynthesis Factors necessary for photosynthesis Importance of photosynthesis to plant and animals	
16	<b>FOOD AND NUTRITION</b> Classification of different food item based on their nutritive value Importance of food nutrient	
17	Test for sugar, fast and oil. Balance diet	
18	<b>INTERACTIONS OF MATTER</b> Infection diseases of human and plant Explanation of infectious diseases Eg. TB, Chicken pox, CSM, Causes, symptoms, mode of transmission prevention	
19	<b>REVISION</b>	
20	<b>EXAMS</b>	

# INT. SCIENCE WEEKLY SCHEME OF WORK FOR J.H.S. THREE (J. H. S. 3)

WEEK	TOPIC	REMARK
1	Reopening, registration, cleaning and revision.	RECOVERY WEEKS
2	DIVERSITY OF MATTER Water physical properties of water Softening of water	
3	SYSTEMS Circulatory system in human Parts of the circulatory system in humans Functions of the parts	
4	CIRCULATORY SYSTEM IN HUMAN Composition and Function of blood Disease of the blood circulatory system Prevention of disease if circulatory system	
5	ENERGY Basic electronics: Use of transistor: To produce oscillator circuit	
6	MULTI VIBRATOR CIRCUIT Interaction of matter Forces and pressure Types of forces	
7	SURFACE TENSION Forces and pressure Demonstration of relationship between fluid Pressure and depth. Application of pressure in fluid. Adaptation to motion	
8	MACHINE Simple machine Types of levers Works Energy and power	
9	<b>MID SEM</b>	
10	The meaning Acid and Base Differences between acid and base Classification of substances	
11	Acid – base reaction (Neutralization)	
12	Drawing and labeling of life cycle of a mosquito Methods of controlling the mosquito Environmental control method (Advantages & Disadvantages) Chemical Control (Disadvan. & advantages) Biological Control Method	
13	SOIL AND WATER CONSERVATION Factors which lead to depletion Methods of restoring depleted soil	
14	Explanation of water conservation	
16	Practices that destroys water bodies	
17	Conservation of water bodies	
18	<b>Components of the solar system</b> -Description Star and Galaxy The planetary system	
19	<b>REVISION</b>	
20	<b>EXAMS</b>	