

FIRST SEMESTER SCHEME OF LEARNING, 2022

**SUBJECT: INTEGRATED SCIENCE JHS: ONE**

<b>WEEK</b>	<b>WEEK ENDING</b>	<b>TOPIC</b>	<b>REFERENCES</b>
1	21 – 01 – 22	INTRODUCTION TO SCIENCE	The syllabus, teachers guide, pupil's textbook <b>TLM</b> ; mobile phones, computers, etc
2	28 – 01 – 22	INTRODUCTION TO SCIENCE	The syllabus, teachers guide, pupil's textbook, Aki Ola integrated science, A Plus textbook 1 <b>TLM</b> ; mobile phones, computers, etc
3	04– 02– 22	MEASUREMENT	The syllabus, teachers guide, pupil's textbook 1 <b>TLM</b> ; meter rule, beam balance, thermometer etc.
4	11– 02 – 22	MEASUREMENT	The syllabus, teachers guide, pupil's textbook 1 <b>TLM</b> ; meter rule, beam balance, thermometer etc.
5	18 – 02 – 22	MEASUREMENT	The syllabus, teachers guide, pupil's textbook 1 <b>TLM</b> ; meter rule, beam balance, thermometer etc.
6	25 – 02 – 22		The syllabus, teachers guide, pupil's textbook 1 <b>TLM</b> ; model of chart explaining that matter is made up of particles call atom, molecules and ion, model of chart of plant and animal cell
7	04 – 03– 22	MATTER	The syllabus, teachers guide, pupil's textbook 1 <b>TLM</b> ; model of chart explaining that matter is made up of particles call atom, molecules and ion, model of chart of plant and animal cell

8	11– 03 – 22	NATURE OF SOIL	The syllabus, teachers guide, pupil's textbook 1 <b>TLM;</b> soil samples such as loamy, sandy and clayey. Model of chart showing the various soil samples, their colour, texture and its horizons
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9	18 – 03 – 22	NATURE OF SOIL	The syllabus, teachers guide, pupil's textbook 1 <b>TLM;</b> soil samples such as loamy, sandy and clayey. Model of chart showing the various soil samples, their colour, texture and its horizons
<b>10</b>	<b>25 – 03 – 22</b>	<b>MID- SEMESTER BREAK</b>	
11	01 – 04 – 22	HAZARDS	The syllabus, teachers guide, pupil's textbook, Aki Ola integrated science, A Plus textbook. <b>TLM;</b> model of chart displaying the safety and warning signs in their community
12	08– 04– 22	HAZARDS	The syllabus, teachers guide, pupil's textbook, Aki Ola integrated science, A Plus textbook. <b>TLM;</b> model of chart displaying the safety and warning signs in their community
13	15 – 04 – 22	LIFE CYCLE OF FLOWERING PLANTS	The syllabus, teachers guide, pupil's textbook <b>TLM;</b> sample of varies type of flowers such as hibiscus flower, sunflower, water lily, inserted pollinated flower and wind pollinated flower, various seeds such as maize beans etc.
14	22- 04 – 22	LIFE CYCLE OF FLOWERING PLANTS	The syllabus, teachers guide, pupil's textbook 1  <b>TLM;</b> sample of varies type of flowers such as hibiscus flower, sunflower, water lily, inserted pollinated flower and wind pollinated flower, various seeds such as maize beans etc.

15	29 - 04- 22	VEGETABLE CROP PRODUCTION	The syllabus, teachers guide, pupil's textbook 1 <b>TLM;</b> model of chart depicting the various forms of climate and its effect on crop production.
16	06 - 05- 22	VEGETABLE CROP PRODUCTION	The syllabus, teachers guide, pupil's textbook 1 <b>TLM;</b> model of chart depicting the various forms of climate and its effect on crop production.
17	13 - 05- 22	FARMING SYSTEMS	The syllabus, teachers guide, pupil's textbook 1 <b>TLM;</b> model of chart depicting the various farming systems. Cutlass, wheel barrow, sickle, hand trowel etc.

18	20 – 05- 22	FARMING SYSTEMS	The syllabus, teachers guide, pupil's textbook 1 <b>TLM;</b> model of chart depicting the various farming systems. Cutlass, wheel barrow, sickle, hand trowel etc.
19	27 - 05- 22	RESPIRATORY SYSTEM OF HUMANS	The syllabus, teachers guide, pupils textbook 1 <b>TLM;</b> A model of chart depicting the various organs such as the nose, larynx, trachea, bronchus lungs etc.
20	03 -06- 22	RESPIRATORY SYSTEM OF HUMANS	The syllabus, teachers guide, pupil's textbook 1 <b>TLM;</b> A model of chart depicting the various organs such as the nose, larynx, trachea, bronchus lungs etc.
21	10 -06- 22	SOURCES OF ENERGY	The syllabus, teachers guide, pupil's textbook 1. <b>TLM;</b> a model of chart depicting the various forms of energy that are renewable and non-renewable
22	17 -06- 22	CONVERSION AND CONSERVATION OF ENERGY	The syllabus, teachers guide, pupil's textbook 1 <b>TLM;</b> a model of chart depicting biogas digester, solar heater wind milling etc.

23	24 -06- 22	<b>REVISION WEEK</b>	Pupils textbook, notes and samples of past questions on the various topics treated for the semester.
24	01 -07- 22	<b>EXAMINATION WEEK</b>	
25	08 -07- 22	<b>ASSESSMENT AND VACATION</b>	

### FIRST SEMESTER SCHEME OF LEARNING, 2022

#### **SUBJECT: INTEGRATED SCIENCE JHS: TWO**

<b>WEEK</b>	<b>WEEK ENDING</b>	<b>TOPIC</b>	<b>REFERENCES</b>
1	21 – 01 - 22	ELEMENTS, COMPOUNDS AND MISTURES	The syllabus, teachers guide, pupil's textbook 2 <b>TLM</b> ; gather different materials from the environment and classify them under element compounds and mixtures, use model or chart to describe the structures of the atoms of H, C, N, O Ne, Na Cl and Ca etc.
2	28 – 01 – 22	ELEMENTS, COMPOUNDS AND MISTURES	The syllabus, teachers guide, pupil's textbook 2 <b>TLM</b> ; gather different materials from the environment and classify them under element compounds and mixtures , use model or chart to describe the structures of the atoms of H, C, N, O Ne, Na Cl and Ca etc.
3	04– 02– 22	METALS AND NON- METALS	The syllabus, teachers guide, pupil's textbook <b>TLM</b> ; gather different materials from the environment such as nails, iron rod etc. And a model or chart showing the periodic table of metal, non-metal and semi- metal

4	11– 02 – 22	METALS AND NON- METALS	The syllabus, teachers guide, pupil's textbook <b>TLM;</b> gather different materials from the environment such as nails, iron rod etc. And a model or chart showing the periodic table of metal, non-metal and semi- metal
5	18 – 02 – 22	CHEMICAL COMPOUNDS	The syllabus, teachers guide, pupil's textbook <b>TLM;</b> gather different materials such water, sodium magnesium oxide, $\text{CaCO}_3$
6	25 – 02 – 22	CHEMICAL COMPOUNDS	The syllabus, teachers guide, pupil's textbook <b>TLM;</b> gather different materials such water, sodium magnesium oxide, $\text{CaCO}_3$
7	04 – 03– 22	MIXTURES	The syllabus, teachers guide, pupil's textbook <b>TLM;</b> Stones, water, air etc.
8	11– 03 – 22	MIXTURES	The syllabus, teachers guide, pupil's textbook

			<b>TLM;</b> Stones, water, air etc.
9	18 – 03 – 22	WATER	The syllabus, teachers guide, pupil's textbook <b>TLM;</b> Collect water from different sources and compare them in terms of appearance, odour, taste and any other characteristics.
<b>10</b>	<b>25 – 03 – 22</b>	<b>MID – SEMESTERS BREAK</b>	
11	01 – 04 – 22	WATER	The syllabus, teachers guide, pupil's textbook <b>TLM;</b> Collect water from different sources and compare them in terms of appearance, odour, taste and any other characteristics.

12	08– 04– 22	CARBON CYCLE	The syllabus, teachers guide, pupil's textbook <b>TLM;</b> A model of chart that depict some human activities that disrupt the carbon cycle.
13	15 – 04 – 22	CARBON CYCLE	The syllabus, teachers guide, pupil's textbook <b>TLM;</b> A model of chart that depict some human activities that disrupt the carbon cycle.
14	22- 04 – 22	WEATHER, SEASON AND CLIMATE	The syllabus, teachers guide, pupil's textbook. <b>TLM;</b> Rain gauge, thermometer, wind vane, anemometer etc.
15	29 - 04- 22	REPRODUCTION SYSTEM IN HUMAN	The syllabus, teachers guide, pupil's textbook <b>TLM;</b> A model of chart that depict some parts of the male and female reproductive system.
16	06 - 05- 22	REPRODUCTION SYSTEM IN HUMAN	The syllabus, teachers guide, pupil's textbook <b>TLM;</b> A model of chart that depict some parts of the male and female reproductive system.
17	13 - 05- 22	HEREDITY	The syllabus, teachers guide, pupil's textbook <b>TLM;</b> A model of chart that depict some common hereditary features such as height colour shape of nose etc.
18	20 – 05- 22	DIFFUSION AND OSMOSIS	The syllabus, teachers guide, pupil's textbook <b>TLM;</b> perfume, ink, crystal of potassium permanganate. Yam etc.

19	27 - 05- 22	DIFFUSION AND OSMOSIS	The syllabus, teachers guide, pupil's textbook <b>TLM;</b> perfume, ink, crystal of potassium permanganate. Yam etc.
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20	03 -06- 22	CIRCULATORY SYSTEM IN HUMAN	The syllabus, teachers guide, pupil's textbook <b>TLM</b> ; use chart, digital content and models to identify the parts of the circulatory system and discuss their functions.
21	10 -06- 22	CIRCULATORY SYSTEM IN HUMAN	The syllabus, teachers guide, pupil's textbook <b>TLM</b> ; use chart, digital content and models to identify the parts of the circulatory system and discuss their functions.
22	17 -06- 22	CIRCULATORY SYSTEM IN HUMAN	The syllabus, teachers guide, pupil's textbook <b>TLM</b> ; use chart, digital content and models to identify the parts of the circulatory system and discuss their functions.
23	24 -06- 22	<b>REVISION WEEK</b>	Pupils textbook, notes and samples of past questions on the various topics treated for the semester.
24	01 -07- 22	<b>EXAMINATION WEEK</b>	
25	08 -07- 22	<b>ASSESSMENT AND VACATION</b>	

#### FIRST SEMESTER SCHEME OF LEARNING, 2022

##### **SUBJECT: INTEGRATED SCIENCE JHS: THREE**

<b>WEEK</b>	<b>WEEK ENDING</b>	<b>TOPIC</b>	<b>REFERENCES</b>
1	21 – 01 - 22	ACIDS AND BASES	The syllabus, teachers guide, pupil's textbook 3 <b>TLM</b> ; Litmus paper, dilute acid, bases measuring cylinder, unripe orange. Lemon, wood ashes, vinegar, bicarbonate of soda.

2	28 – 01 – 22	ACIDS AND BASES	The syllabus, teachers guide, pupil's textbook 3 <b>TLM;</b> Litmus paper, dilute acid, bases measuring cylinder, unripe orange. Lemon, wood ashes, vinegar, bicarbonate of soda.
3	04– 02– 22	ACIDS AND BASES	The syllabus, teachers guide, pupil's textbook <b>TLM;</b> Litmus paper, dilute acid, bases measuring cylinder, unripe orange. Lemon, wood ashes, vinegar, bicarbonate of soda.
4	11– 02 – 22	SOIL AND WATER CONSERVATION	The syllabus, teachers guide, pupil's textbook <b>TLM;</b> A picture depicting ways to conserve water in their various houses and a picture of some practices that destroy our water bodies.
5	18 – 02 – 22	SOIL AND WATER CONSERVATION	The syllabus, teachers guide, pupil's textbook <b>TLM;</b> A picture depicting ways to conserve water in their various houses and a picture of some practices that destroy our water bodies.
6	25 – 02 – 22	SOIL AND WATER CONSERVATION	The syllabus, teachers guide, pupil's textbook 3 <b>TLM;</b> A picture depicting ways to conserve water in their various houses and a picture of some practices that destroy our water bodies.
7	04 – 03– 22	LIFE CYCLE OF A MOSQUITO	The syllabus, teachers guide, pupil's textbook <b>TLM;</b> A sketch depicting the life cycle of a mosquito and ways of controlling them at every stage.
8	11– 03 – 22	THE SOLAR SYSTEM	The syllabus, teachers guide, pupil's textbook

			<b>TLM;</b> Use charts and digital content to describe the various component of
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			the solar system.
9	18 – 03 – 22	THE SOLAR SYSTEM	The syllabus, teachers guide, pupil's textbook <b>TLM;</b> Use charts and digital content to describe the various component of the solar system.
<b>10</b>	<b>25 – 03 – 22</b>	<b>MID- SEMESTER BREAK</b>	
11	01 – 04 – 22	DENTITION IN HUMAN	The syllabus, teachers guide, pupil's textbook <b>TLM;</b> Use charts and digital content to study the external parts (crown, neck, root of the human tooth.
12	08– 04– 22	DENTITION IN HUMAN	The syllabus, teachers guide, pupil's textbook <b>TLM;</b> Use charts and digital content to study the external parts (crown, neck, root of the human tooth.
13	15 – 04 – 22	DIGESTION IN HUMANS	The syllabus, teachers guide, pupil's textbook <b>TLM;</b> Use charts showing a labeled digestive system of humans.
14	22- 04 – 22	DIGESTION IN HUMAN	The syllabus, teachers guide, pupil's textbook <b>TLM;</b> Use charts showing a labeled digestive system of humans.
15	29 - 04- 22	HEAT ENERGY	The syllabus, teachers guide, pupil's textbook <b>TLM;</b> Use charts showing the various heat transfer eg. Radiation, conduction, conversion.
16	06 - 05- 22	HEAT ENERGY	The syllabus, teachers guide, pupil's textbook <b>TLM;</b> Use charts showing the various heat transfer eg. Radiation, conduction, conversion.
17	13 - 05- 22	BASIC ELECTRONICS	The syllabus, teachers guide, pupil's textbook <b>TLM;</b> LED bulb, wire, solenoid switch, capacitor cells, transistor etc.

18	20 – 05- 22	BASIC ELECTRONICS	The syllabus, teachers guide, pupil's textbook <b>TLM;</b> LED bulb, wire, solenoid switch, capacitor cells, transistor etc.
19	27 - 05- 22	BASIC ELECTRONICS	The syllabus, teachers guide, pupil's textbook <b>TLM;</b> LED bulb, wire, solenoid switch, capacitor cells, transistor etc.
20	03 -06- 22	MAGNETISM	The syllabus, teachers guide, pupil's textbook, Aki Ola integrated science, A Plus textbook.

			<b>TLM;</b> LED bulb, wire, solenoid switch, capacitor cells, transistor etc.
21	10 -06- 22	MAGNETISM	The syllabus, teachers guide, pupil's textbook <b>TLM;</b> LED bulb, wire, solenoid switch, capacitor cells, transistor etc.
22	17 -06- 22	MAGNETISM	The syllabus, teachers guide, pupil's textbook <b>TLM;</b> LED bulb, wire, solenoid switch, capacitor cells, transistor etc.
23	24 -06- 22	<b>REVISION WEEK</b>	Pupils textbook, notes and samples of past questions on the various topics treated for the semester.
24	01 -07- 22	<b>EXAMINATION WEEK</b>	
25	08 -07- 22	<b>ASSESSMENT AND VACATION</b>	