

GRADE 7
GENERAL SCIENCE
EASTER TERM PLAN
2023-2024

TERM TWO: JANUARY 10 – MARCH 28, 2024

DATES	WEEKS	THEORY	LABS/QUIZ/TESTS
January 10-19	WEEKS 1-2	<p>Review of Six Weekly Tests December</p> <p><i>Sexual Reproduction in plants:</i></p> <ul style="list-style-type: none"> ● Dissect and draw the reproductive structures of a flower. ● Describe the process and list the agents of pollination. ● Compare the structure of wind and insect-pollinated flowers. ● Explain the process of fertilisation ● Describe what happens after fertilisation to form seeds and fruits ● Relate the structure of seeds and fruits to the structure of the flower <p><i>Asexual reproduction in plants</i></p> <ul style="list-style-type: none"> ● Identify and list some plants that can reproduce without making seeds. ● Describe ways in which new plants can be grown without seeds ● Compare asexual and sexual reproduction in plants 	<p>COURSEWORK 1</p> <p>Worksheet on the parts of a flower and the function of each part of a flower.</p>

<p>January 22- February 09</p>	<p>WEEK 3-5</p>	<p>Measurement:</p> <ul style="list-style-type: none"> ● List the fundamental quantities and their base SI units. ● Identify and correctly use instruments to measure the fundamental quantities. ● Helping our senses by using instruments. → To measure the area and volume of a regular and an irregular solid, → To determine the area of irregular surfaces using graph paper. → To measure mass and weight, differentiate between them. → To measure temperature and → To measure time 	<p>Class Group Activity:</p> <ul style="list-style-type: none"> ● Use instruments like a ruler to measure a textbook's length, width, and surface area. ● Use a measuring cup to measure the volume of liquids. ● Use balances at home to measure mass, a thermometer to measure temperature and a clock to measure time. ● Students will determine the area of an irregular surface using graph paper. <p>HOMEWORK Worksheet on how to calculate mass, length, volume, area, temperature and time.</p> <p>COURSEWORK 2 Worksheet on measurement.</p>
<p>February 12- March 08</p> <p>February 19-23 Six Weekly Tests</p> <p>Mid-Term Break Feb 12-14</p>	<p>WEEK 6, 7, 8, 9</p>	<p>Energy</p> <ul style="list-style-type: none"> ● Introduction to Energy- Recall that energy is the ability to do work ● The different forms of energy ● Differentiate between energy forms and energy sources/resources ● Investigate the energy conversions occurring in some devices 	<p>WEEK 7</p> <p>Six Weekly Test #3: Reproduction in Plants & Measurement</p>

<p>Classes will be affected.</p>		<ul style="list-style-type: none"> ● Use the terms kinetic energy and potential energy in describing energy transformations. ● Differentiate between renewable and non-renewable sources/resources of energy ● Justify the need for alternative energy resources ● Assess the advantages and disadvantages of using renewable and non-renewable sources of energy ● Evaluate the importance of alternative energy solutions to Jamaica and the Caribbean ● Investigate ways in which alternative energy sources are harnessed 	<p>COURSEWORK 3: Part1 (Week 8)</p> <p>Individual work – to make a model to show energy conversion. The model will be presented to the class explaining how energy is converted. (Two sessions)</p> <p>COURSEWORK 3: Part 2 (Week 9)</p> <p>Worksheet on energy.</p>
<p>March 11-15</p>	<p>WEEK 10</p>	<p>Cells</p> <ul style="list-style-type: none"> ● Define the cell as the basic unit of structure and function of living organisms ● Examine plant and animal cells using the light microscope ● Draw and label diagrams of generalised plant and animal cells as seen under the light microscope ● Relate selected cell structures/organelles to their specific functions (nucleus, cytoplasm, mitochondria, chloroplast, Golgi body, ER, vacuole, cell wall and cell membrane) 	<p>CLASSWORK</p> <p>The students will complete drawings of the different cell organelles and specialized cells in animals in their notebooks.</p> <p>COURSEWORK 4</p> <p>Labelling worksheet on plant and animal cells</p>

March 18-22	WEEK 11	<i>Cells</i> <ul style="list-style-type: none"> ● Compare the structure of typical plant and animal cells as seen under the light microscope ● Differentiate between generalized plant and animal cells. 	COURSEWORK 5 Wanted Poster of the different cell organelles
March 25-29	WEEK 12	<ul style="list-style-type: none"> ● REVIEW AND RETURN TEST ● END OF TERM 	Worksheet on irresponsible living to be given over the Easter holidays.