## SUBJECT <u>Science</u>

| Timetable | Торіс                               | Content                                   | Skills  | Performance<br>Objective                       | Assessment                      |
|-----------|-------------------------------------|---|---|--|---------------------------------|
| 3 Weeks   | <b>Controlled</b><br><b>Studies</b> | Components<br>of a<br>Controlled<br>Study | <ul> <li>Identify<br/>Problem<br/>Statement</li> <li>Identify<br/>Hypothesis</li> <li>Identify<br/>Manipulated<br/>Variable,<br/>Dependent<br/>Variable and<br/>Controlled<br/>Variable</li> <li>List Materials</li> <li>List Procedure</li> <li>Record<br/>Observations</li> <li>Draw<br/>Conclusions</li> </ul> | Process Skills<br>based on<br>Standard<br>Four | Lab<br>Performance<br>Unit Test |

SUBJECT <u>Science</u>

| Timetable | Торіс   | Content      | Skills   | Performance<br>Objective               | Assessment         |
|-----------|---|--------------|--|--|--------------------|
| 3 Weeks   | Physical<br>Science/<br>Powders and<br>Crystals | Observation  | - Observing the<br>various<br>properties of<br>sugar cubes   | 4.3.1a                                 | Lab<br>performance |
|           |   | Safety Rules | <ul> <li>identify how to<br/>avoid<br/>contamination</li> <li>Eye protection</li> <li>implement<br/>match safety<br/>procedures</li> <li>develop a<br/>scientific<br/>method for<br/>identifying the<br/>unknown<br/>substances</li> </ul> | Process Skills-<br>General Skills<br>1 | Lab<br>performance |

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| Timetable | Торіс | Content                                      | Skills   | Performance<br>Objective                        | Assessment                      |
|-----------|-------|--|--|---|---------------------------------|
|           |       | Physical<br>Science/<br>Powders/<br>Crystals | <ul> <li>observe and<br/>record results<br/>of solubility</li> <li>observe and<br/>record results<br/>of mixing<br/>vinegar</li> <li>observe and<br/>record results<br/>of adding<br/>iodine to test<br/>for starch</li> <li>observe and<br/>record results<br/>of adding BTB<br/>to test to see if<br/>it is an acid or<br/>base</li> <li>observe and<br/>record results<br/>of adding bTB<br/>to test to see if<br/>it is an acid or<br/>base</li> </ul> | 4.3.1b<br>Process Skill-<br>General Skills<br>9 | Lab<br>performance<br>Unit test |

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| Timetable | Торіс   | Content   | Skills  | Performance<br>Objective                                  | Assessment   |
|-----------|---|---|---|---|--|
| 3 Weeks   | Physical<br>Science/<br>Powders and<br>Crystals | Physical and<br>Chemical<br>Changes<br>Law of<br>Conservation<br>of Mass<br>Characteristics/<br>Properties<br>Chemical<br>Reactions | <ul> <li>Observing</li> <li>Communicating</li> <li>Classifying</li> <li>Manipulating</li> <li>Collecting Data</li> <li>Generalizing</li> <li>Formulating<br/>Hypothesis</li> <li>Interpreting<br/>Data</li> <li>Making<br/>Decisions</li> </ul> | 4.3.1a<br>4.3.1b<br>4.3.2a<br>4.3.2b<br>4.3.2 c<br>4.3.2d | Lab<br>Performances<br>Written Lab<br>Reports<br>Unit Test |

# SUBJECT <u>Science</u>

| Timetable | Торіс                                 | Content   | Skills  | Performance<br>Objective  | Assessment                       |
|-----------|---------------------------------------|---|---|---|----------------------------------|
| 3 Weeks   | Physical<br>Science/<br>Earth Science | Earth's outer<br>regions<br>Rocks<br>Minerals<br>Climate and<br>weather<br>Ecology/<br>Conservation | <ul> <li>Identify layers</li> <li>Explain how<br/>the<br/>atmosphere,<br/>hydrosphere,<br/>and lithosphere<br/>evolve, interact<br/>and change</li> <li>Describe<br/>earthquake<br/>and volcano<br/>patterns</li> <li>Describe rock<br/>cycle</li> <li>Describe rock<br/>cycle</li> <li>Describe rock<br/>cycle</li> <li>Describe rock<br/>climate and<br/>weather<br/>changes</li> <li>Observe rocks<br/>and minerals</li> <li>Identify rocks<br/>and minerals</li> <li>Classify rocks<br/>and minerals</li> </ul> | PS 4.2.1 a<br>4.2.1 b<br>4.2.1 d<br>4.2.1 e<br>4.2.1 f<br>4.2.1 g<br>4.2.1 I<br>4.2.2 a<br>4.2.2 b<br>4.2.2 c<br>4.2.2 d<br>4.2.2 d<br>4.3.2 c<br>4.3.2 d<br>4.7.1 d<br>4.7.2 d | Lab<br>Performances<br>Unit Test |

## SUBJECT <u>Science</u>

| Timetable | Торіс               | Content | Skills   | Performance<br>Objective                                 | Assessment |
|-----------|---------------------|---------|--|--|------------|
|           | Physical<br>Science |         | <ul> <li>Describe how<br/>living things,<br/>including<br/>humans,<br/>depend upon<br/>the living and<br/>nonliving<br/>environment<br/>for their<br/>survival</li> <li>Describe the<br/>effects of<br/>environmental<br/>changes on<br/>humans and<br/>other<br/>populations</li> </ul> | 4.7.1a<br>4.7.1b<br>4.7.1c<br>4.7.1d<br>4.7.2a<br>4.7.2d |            |

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| Timetable | Торіс   | Content   | Skills  | Performance<br>Objective   | Assessment                       |
|-----------|---|---|---|--|----------------------------------|
| 3 Weeks   | Physical<br>Science/<br>Electro-<br>magnetism | Magnetism<br>Energy<br>Transfer<br>Electrical<br>Currents | <ul> <li>Identify what<br/>materials<br/>will attract a<br/>magnet</li> <li>Observe and<br/>replicate a<br/>magnetic<br/>force field</li> <li>Create an<br/>electro-<br/>magnet</li> <li>Use the<br/>electro-<br/>magnet to<br/>cause the<br/>buzzer to<br/>work</li> <li>Construct a<br/>simple<br/>working<br/>motor</li> </ul> | 4.4.1c<br>4.4.1d<br>4.4.4d<br>4.4.4e<br>4.4.4g<br>4.4.5a<br>4.5.2b<br>4.5.2c | Lab<br>Performances<br>Unit Test |

## SUBJECT <u>Science</u>

| Timetable | Торіс                            | Content                | Skills  | Performance<br>Objective | Assessment |
|-----------|----------------------------------|------------------------|---|--------------------------|------------|
| 3 Weeks   | Living<br>Environment/<br>Plants | Seed Bearing<br>Plants | - Understand the<br>development of<br>seeding bearing<br>plants | 4.4.3e                   | Unit Test  |
|           |                                  |                        |   |                          |            |

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| Timetable | Торіс   | Content                      | Skills  | Performance<br>Objective | Assessment         |
|-----------|---|------------------------------|---|--------------------------|--------------------|
| 3 Weeks   | Living<br>Environment/<br>Meet the<br>Creatures | Care of Meal<br>Worms        | - Discussion and<br>demonstration<br>of Humane<br>treatment       | 4.3.1c                   | Lab<br>Performance |
|           | Creatures                                       | Body Parts of<br>a Meal Worm | - Observe and<br>identify parts<br>of the meal<br>worm            | 4.4.3c                   | Unit Test          |
|           |   | Life Cycle                   | - Identifying the<br>stages of<br>development of<br>the meal worm | 4.4.3c                   |                    |
|           |   |                              |   |                          |                    |

## SUBJECT <u>Science</u>

| Timetable | Торіс                 | Content                                  | Skills  | Performance<br>Objective | Assessment |
|-----------|-----------------------|--|---|--------------------------|------------|
|           | Living<br>Environment | <b>Environmental</b><br><b>Reactions</b> | <ul> <li>Formulating<br/>hypothesis</li> <li>Manipulating</li> <li>Observing</li> <li>Predicting</li> <li>Making<br/>decisions</li> <li>Identify<br/>variables</li> <li>Inferring</li> <li>Collecting data</li> </ul> | 4.3.1b                   |            |