**Marking criteria on Electromagnetic spectrum activity**

**Worksheet Activity**

<table>
<thead>
<tr>
<th>Description of Achievement</th>
<th>Thorough</th>
<th>Sound</th>
<th>Basic</th>
<th>Not shown</th>
<th>Mark</th>
<th>Maximum mark</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Both waves drawn correctly</td>
<td>2</td>
<td>1.5</td>
<td>1</td>
<td>0</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>2. All names of waves given correctly and in the correct order- going from radio to gamma rays.</td>
<td>3</td>
<td>2</td>
<td>1</td>
<td>0</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>3. All wavelengths given correctly</td>
<td>3</td>
<td>2</td>
<td>1</td>
<td>0</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>4. All frequencies given correctly</td>
<td>3</td>
<td>2</td>
<td>1</td>
<td>0</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>5. All sources of waves given correctly</td>
<td>3</td>
<td>2</td>
<td>1</td>
<td>0</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>/16</td>
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</tbody>
</table>

**Short Essay**

<table>
<thead>
<tr>
<th>Description of Achievement</th>
<th>Thorough</th>
<th>Sound</th>
<th>Basic</th>
<th>Not shown</th>
<th>Mark</th>
<th>Maximum mark</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Content: logical and structured</td>
<td>2</td>
<td>1.5</td>
<td>1</td>
<td>0</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>2 Clear description of discussion topic, knowledgeable, convincing, Informative</td>
<td>5</td>
<td>3-4</td>
<td>1-2</td>
<td>0</td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>3 Content: showing that they understand the different waves- ability to link frequency, wavelength and energy.</td>
<td>3</td>
<td>2</td>
<td>1</td>
<td>0</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>/10</td>
</tr>
</tbody>
</table>
# Class Presentation

<table>
<thead>
<tr>
<th>Description of Achievement</th>
<th>Thorough</th>
<th>Sound</th>
<th>Basic</th>
<th>Not shown</th>
<th>Mark</th>
<th>Maximum mark</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Content: logical and structured</td>
<td>2</td>
<td>1.5</td>
<td>1</td>
<td>0</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>3 Clear description of discussion topic, knowledgeable, convincing, informative</td>
<td>5</td>
<td>3-4</td>
<td>1-2</td>
<td>0</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>3 Effective reference to material researched</td>
<td>2</td>
<td>1.5</td>
<td>1</td>
<td>0</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>4 Voice: audible, has clarity, and modulation</td>
<td>3</td>
<td>2</td>
<td>1</td>
<td>0</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>5 Eye contact: Little or no reference to material given</td>
<td>3</td>
<td>2</td>
<td>1</td>
<td>0</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>6 Self discipline: avoids giggling, fidgeting or any other distracting behaviour</td>
<td>2</td>
<td>1.5</td>
<td>1</td>
<td>0</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>7 Timing: under 15 seconds above or below the 2 minutes</td>
<td>3</td>
<td>2</td>
<td>1</td>
<td>0</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1/20</td>
<td></td>
</tr>
</tbody>
</table>

## Total out of 56 marks

<table>
<thead>
<tr>
<th>Extensive</th>
<th>Thorough</th>
<th>Sound</th>
<th>Basic</th>
<th>Elementary</th>
</tr>
</thead>
<tbody>
<tr>
<td>46 – 56</td>
<td>38 – 45</td>
<td>29 - 37</td>
<td>20 - 28</td>
<td>Less than 20</td>
</tr>
</tbody>
</table>

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