**Infographic: The Social and Environmental Consequences of Electronics**

*The Life Cycle of a Computer: From Raw Materials to Disposal*

**Essential Question:**

*“How Does Our Love of Electronics Impact People and the Planet?”*

**Overview:**

*An* ***Infographic*** *is a way to communicate information using a blend of writing, diagrams, graphs, images, and other visuals. An strong infographic communicates a large amount of information about a topic in a way that is appealing to a reader, easy to follow, and engaging to read.* ***Experts*** *use infographics to reach audiences who do not know much about their topic. A strong infographic contains a lot of information and yet is easy to follow and engaging to someone who might not otherwise be interested in the topic. Your task in this project is to create an infographic to engage your audience in considering the social and environmental impacts of electronics.*

**Learning Targets:**

|  |  |
| --- | --- |
| **CONTENT** | **FORM** |
| 1. *I can apply my knowledge of chemistry and atomic structure when writing about the science of materials.* (MS-PS1-5., MS-PS1-1) 2. *I can describe the environmental impacts of the electronics industry.* (MS-ESS3-4, 7.MS-LS2-4.) 3. *I can explain the different stages in the life cycle of electronics, from raw materials to recycling and disposal.* (8.MS-ETS2-5) | 1. *I can use online tools to communicate content.* (6-8.DTC.b.3, 6-8.DTC.b.1) 2. *I can synthesize and communicate my learning in science using a strategic combination of writing and data visualization.* (NGSS Practice 8) |

**Minimum Requirements:**

* 2 Graphs
* 2 Photographs
* 2 Additional Graphics (flow-charts, icons, or other visualizations)
* 5 Captions

**INFOGRAPHIC GALLERY WALK**

**Infographic Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

|  |  |  |
| --- | --- | --- |
| *What do you learn by reading this infographic?* | *What are your favorite parts of this infographic? What features make it interesting to read?* | *What questions do you have about this infographic?* |
|  |  |  |

**Infographic Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

|  |  |  |
| --- | --- | --- |
| *What do you learn by reading this infographic?* | *What are your favorite parts of this infographic? What features make it interesting to read?* | *What questions do you have about this infographic?* |
|  |  |  |

**Infographic Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

|  |  |  |
| --- | --- | --- |
| *What do you learn by reading this infographic?* | *What are your favorite parts of this infographic? What features make it interesting to read?* | *What questions do you have about this infographic?* |
|  |  |  |

**Infographic Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

|  |  |  |
| --- | --- | --- |
| *What do you learn by reading this infographic?* | *What are your favorite parts of this infographic? What features make it interesting to read?* | *What questions do you have about this infographic?* |
|  |  |  |

**Part 1: Raw Materials**

|  |  |
| --- | --- |
| **Important science concepts:** | **Captivating facts & stories:** |
| **Visual:**  *Ideas for photos, diagram, flow-chart, model drawing, graph, data table, map, etc.* | |

**Part 2: Manufacturing**

|  |  |
| --- | --- |
| **Important science concepts:** | **Captivating facts & stories:** |
| **Visual:**  *Ideas for photos, diagram, flow-chart, model drawing, graph, data table, map, etc.* | |

**Part 3: Disposal**

|  |  |
| --- | --- |
| **Important science concepts:** | **Captivating facts & stories:** |
| **Visual:**  *Ideas for photos, diagram, flow-chart, model drawing, graph, data table, map, etc.* | |