Student Name: ­­­­­­­­­­­­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Unit 1: Technological Inventions and Innovations**

Lesson 4: The Role of Research and Development: A Problem-Solving Approach

**File 1.4.1: My Inventive Idea**

Have you ever thought of a product you think people would buy? Now is your chance to further develop your idea. In the space below, create a sketch of the product. Include the problem the product would solve and a brief description of the product, in addition to the sketch. Be prepared to share your idea with the class.

Name of Invention:

Problem the Invention Solves:

Brief Description of the Invention:

Sketch of Invention

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The following rubric will be used to evaluate your work:

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| **Category** | **Below Average** | **Average** | **Excellent** |
| **Device Selection** | The student copies an idea from another student. | The student selects an original idea. | The student selects an original idea that has meaning to her/his life. |
| **Sketches/Ideas** | The student incompletely explains her/his idea in written or graphic form. | The student explains her/his idea in written or graphic form. | The student explains her/his idea in both written and graphic form. |