

# Inventor's log for \_\_\_\_\_

## 4<sup>th</sup> & 5<sup>th</sup> Grade ~ District 196 Inventors Fair

All notes, ideas, websites, drawings are to be in a bound or spiral notebook. The following is one way to include the important areas from the judging rubric into your journal. Each page needs a date, and at least once a week the journal should be signed by a family member or teacher. This can be printed and bound and used as the journal or you can include the information in your own way. ENJOY!!

### 1. **Description of Invention and How it Works**

(Orally or written in log,, journal, or display)

Includes:

- a. Each part of invention.
- b. How the invention works.

Journal Entry      Date \_\_\_\_\_ Signed \_\_\_\_\_

**2. Problem Statement**

Includes:

- a. The problem or idea that led to the invention.
- b. The connection between the idea and the invention.
- c. Why is the invention useful? Who would benefit?

Journal Entry      Date \_\_\_\_\_ Signed \_\_\_\_\_

3. **Drawing**

Includes:

- a. All parts drawn and labeled.
- b. Dimensions given for each part.

Journal Entry      Date \_\_\_\_\_ Signed \_\_\_\_\_

4. **Materials**

Includes:

- a. A list of all materials.

Journal Entry      Date \_\_\_\_\_ Signed \_\_\_\_\_

**5. Research for Similar Inventions**

Includes:

- a. Must search for these 3 required sources; YIF Gazette \*, business contact by phone or in person, and 3<sup>rd</sup> source of the student's choice.
- b. What was the closest thing you found to your invention?
- c. Describe the details of what was discovered when you researched each source.

Journal Entry      Date \_\_\_\_\_ Signed \_\_\_\_\_

6. **Demonstration Better, Unique, Different**

Think about the inventions you named as similar to yours in item #5. Describe how your invention is better, unique, or different. (Orally or visually via log or displayed)

**Examples;** Shape, Materials used, Comfort, Appearance, Size, How it is used, Durability, Cost, Savings

Journal Entry      Date \_\_\_\_\_ Signed \_\_\_\_\_

**7. Designing & Building Process**

Includes:

- a. Design/Planning phase. Draw your invention and include measurements.
- b. Steps to construct the invention.

Journal Entry      Date \_\_\_\_\_ Signed \_\_\_\_\_

8. **Testing with an Observer** (orally or visually via log or displayed)

Includes:

- a. Number of times tested.
- b. Names of observers – cannot be one of the inventors.
- c. What happened during testing and how well the invention worked.

Journal Entry      Date \_\_\_\_\_ Signed \_\_\_\_\_



9. **Overall “Inventiveness” Rating**

The invention shows creativity in the following ways::

- a. Unique qualities related to resourcefulness, playfulness, or the invention’s “personality.”
- b. Original thinking
- c. Original use of materials
- d. Unique function/operation

Journal Entry      Date \_\_\_\_\_ Signed \_\_\_\_\_