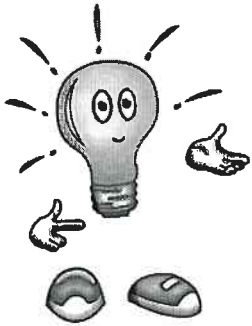


# STUDENT INVENTOR'S JOURNAL

NAME: \_\_\_\_\_

DATE: \_\_\_\_\_

CLASS: \_\_\_\_\_



**Tips for keeping an invention journal:**

- Date every entry
- Write clearly and draw a single line through mistakes
- Remember to site your sources using the back page of the log book

## ***History of Inventions***

Learn a little about other inventors and the ideas behind their inventions.

1.) My inventor is \_\_\_\_\_, He/she invented

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2.) My inventor is \_\_\_\_\_, He/she invented

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3.) My inventor is \_\_\_\_\_, He/she invented

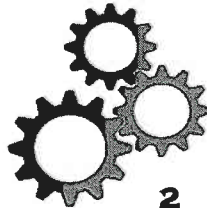
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## ***Identifying Challenges in My Life***

1.) What tasks would you like to see made easier?

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2.) Brainstorm a list of activities or products that annoy or frustrate you. List as many as you can.

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3.) What product does not work as well as you would like it to work?

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4.) What is the most annoying problem:

at home? \_\_\_\_\_  
at school? \_\_\_\_\_  
in the car? \_\_\_\_\_  
on the bus? \_\_\_\_\_  
in the supermarket? \_\_\_\_\_  
at practice? \_\_\_\_\_  
other \_\_\_\_\_



## ***Identifying Challenges in Other People's Lives***

Consider other people in your life and what they might need to make life better. Identify any problems with certain tasks or activities that they currently have. Could you design something that could help other people? Interview friends and family to get a different perspective.

1.) Person I interviewed: \_\_\_\_\_

Task that they said they would like to see improved:

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2.) Person I interviewed: \_\_\_\_\_

Task that they said they would like to see improved:

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3.) Person I interviewed: \_\_\_\_\_

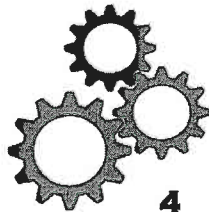
Task that they said they would like to see improved:

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## ***Ideation***

Start thinking of concepts for your invention. Remember to think outside the box! Try thinking mild to wild. What is the mildest way to solve a problem, all the way to what is the wildest way to solve the problem!



## ***Evaluating Your Idea***

Pick the problem that you most want to solve and describe it below:

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Now think of solutions to solve this problem, and record the pros and cons of each possible solution in the chart below.

Possible Solutions	Pros	Cons
1.)		
2.)		
3.)		
4.)		
5.)		

Ask your peers and family what solution they feel is your strongest idea. This will help you narrow down your concepts.





## ***Developing your Invention***

Sketch out your invention below. Clearly label key points on the diagram.





## ***Developing your Invention***

Explain the problem that you want to improve.

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Choose your best invention idea and elaborate. How did you come up with the idea?

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What steps will you need to take to build your invention? What materials do you need?

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Do you see any problems that you might face while building your invention?

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Materials I need:

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## ***What's In A Name***

Name your invention. Imagine you are selling your product and try to think of a name that will catch the "consumer's" attention!

**Possible Product Names:**

**Possible Slogans:**

The name of my invention is: \_\_\_\_\_  
The slogan for my invention is: \_\_\_\_\_



## ***Implement and Create***

Now you will begin building your invention. You will be recording the process, and therefore documenting the steps you take while making your invention. Record the time and date of each work session and what you did that day. Record any changes or discoveries you make.

Date: \_\_\_\_\_  
Time: \_\_\_\_\_

Date: \_\_\_\_\_  
Time: \_\_\_\_\_



***Implement and Create (Cont'd)***

Date: \_\_\_\_\_  
Time: \_\_\_\_\_

Date: \_\_\_\_\_  
Time: \_\_\_\_\_



## Testing Your Invention

Congratulations! By this step you have now completed your invention. Did you create a working prototype or a visual model? Does it work? It is now time to test it.

If you created a working prototype, test your invention. Does it work? Is there room for improvement?

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If you created a visual model, do you feel you successfully captured the look you were going for? What made you choose the appearance you did? Would you change anything about it?

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Write up your findings here:

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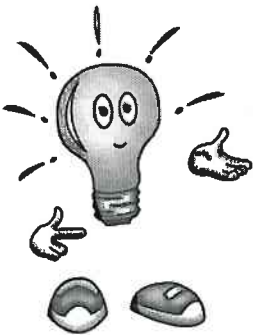
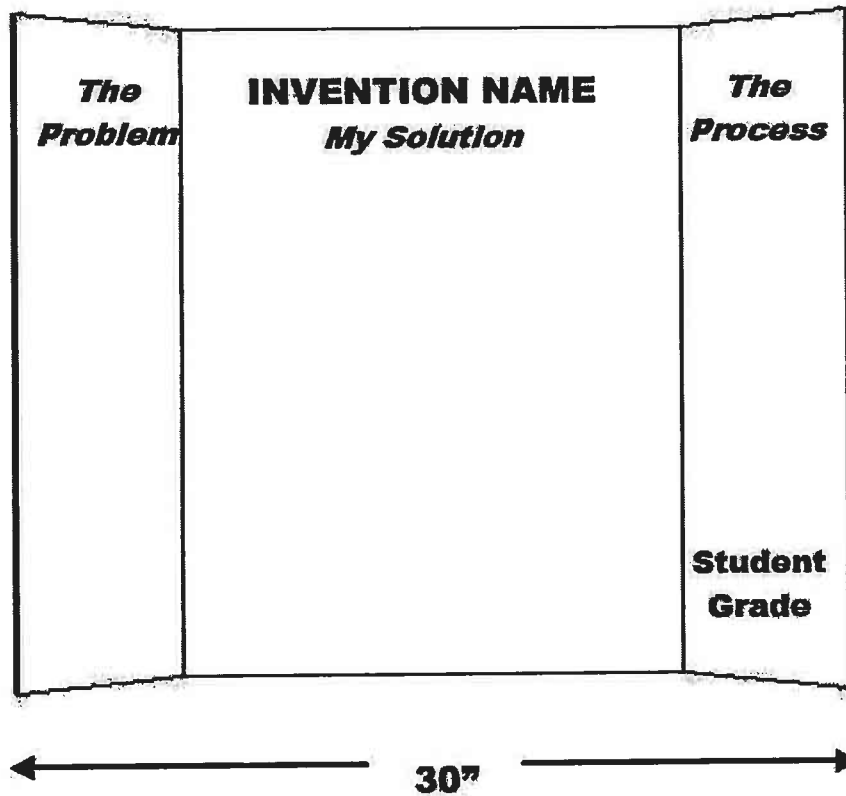
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## Designing Your Tri-Fold Display

Now it is time to work on your display. Use the image below to organize your ideas.



### Tips:

- Remember to spell check beforehand-Write clearly and make sure the words are large enough to be viewed from a distance
- Organize your ideas in a way that makes sense
- Practice reciting your speech and highlight what you want to tell the judges



