

The Story of Your Invention

Invention Log

What is an invention?

An invention is something new that enables us to solve a problem or do something better or easier.

The purpose of this Invention Log

All stories have an ending. In this case, the ending of what you are doing is your invention. But all stories also have a beginning and middle. The purpose of this Invention Log is to tell the entire story of your invention. In it, during every step you take in making your invention, you will record what you did, why you did it, and how you did it. This Invention Log is an important part of the invention process and is a complete and accurate record of the ideas, plans, and processes by which the invention was created. Invention Logs can be used by students to prove they came up with the idea and invention. Oftentimes, they are used as part of the patenting process.

How to use this Invention Log

The Invention Log is not a book report that is created after you are done. Rather, it is a diary that is continuously filled in as you work on your invention. Follow the steps of the invention process and fill out the various pages as you work on them. When you are done with a page, print your name and the date at the bottom. If you need extra space for any section, make copies of the Blank Page (Page 17) and use that for any purpose. Once you are done, put the pages in the order in which you did them and staple them to make a complete Invention Log. This log will also be used as part of the final presentation and needs to be filled in using complete sentences (except for things like a list of materials). Teams share one Invention Log and should attach signatures of all inventors.

The name of the invention: Habit Builder

The problem that it solves:



Statement of Originality

I promise that the ideas in this Invention Log are my own. (If a team, all should complete.)

Inventor Name(s): Abhidha Hoshing and Sreeansh Warrane

Signature(s): Abhidha

Date: 11/23/2019

School: BURNS PARK
Town: Ann Arbor, Mi



Explaining the Problem and Identifying a Solution (Identifying and Understanding)

1. What problem are you trying to solve? The more specific you are in describing the problem, the better your solution will be. How did you come up with the problem?

Kids age 3-8 forget to turn light offing sis while In several occasions my and my sis while playing get hurt by of the current structures of wall mounted light switch lever.

And forget to turn the light off after playing

2. What is the result you are trying to achieve? The more specific you are in describing the result you want,

habitofolding the soft of the light of by a dicher

3. What are some possible solutions? Which one did you choose to pursue? How did you decide which solution to try? The more specific you are in describing the solution you will create, the better your invention will be. How did you come up with the solution?

Flat as atcation that produced Clights) soft the

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when toward Pagels



4. Has this solution been done before? If it exists, how is your approach different and better? What research

did you do to see if this invention had been done before? Who did you talk to? Where did you look? What website did you search? You should show 4 pieces of evidence of different types of research – talking with experts, searching the internet, interviewing friends and family as to how useful this would be, etc.

Where I looked to see if my idea is new:

A. Where I looked to see if my idea is new:

B. Document any similar inventions you found, describing how yours will be different:

Document any similar inventions you found, describing how yours will be different:

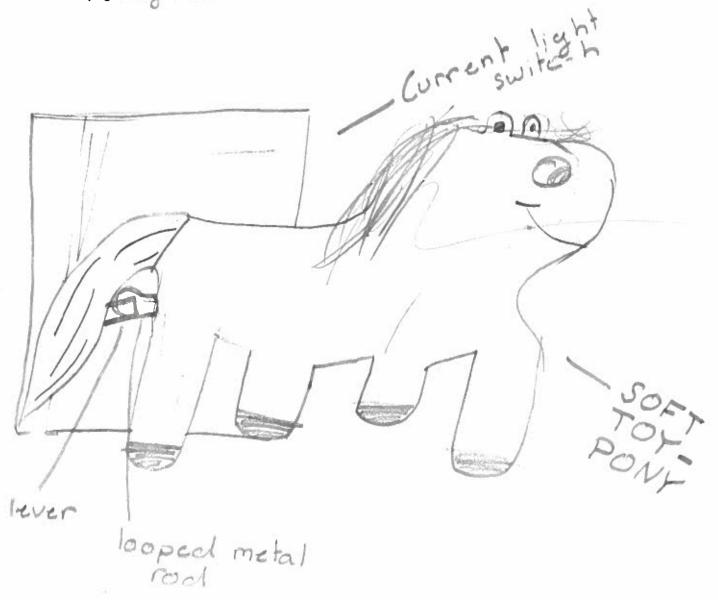
Teacher Signature - REQUIRED FOR ALL PARTICIPANTS

	prove of the solution/invention my student has chosen to pursue and agree that it not only meets the lelines shown on the Restrictions and Requirements page, but that it is also safe.					
	Teacher's Name (Printed) Shin Wivel					
~	Teacher's Signature Date Q 20/19					
	I approve of the solution/invention my student has chosen to pursue and agree that it not only meets the guidelines shown on the Restrictions and Requirements page, but that it is also safe.					



Creating and Improving the Design (Ideating and Designing)

5. Draw a model (a sketch or drawing) of the invention you are thinking about building. Label all the important parts and features. Explain how the invention will work. If you need more space, use another blank page. An another than the invention will work the invention will be appeared to the invention will work the invention will be appeared to the invention will work the invention will be appeared to the invention w





6. What problems or issues might you encounter with this design? Is this design compatible with the principle of sustainability? Who did you talk to about this design (another student, parent, teacher, etc.)? What were their comments about your design?

Dut may be some kids prefer to posses different toy based on gender. Per some instance Giris may like pany whereas boys may like large design. Certainly my design having sustainblity in long run. I have discussed with my member 7. How can you fix those problems or address those issues? Shree, and my parents

I have planned to fix above said issue by Introducing variety of Soft toys those will be liked by girl and boy

8. Repeat steps 5 to 7 until you have a design that you think will work. You may have to make multiple copies of a blank page until you have a good design.



Building the Invention or Prototype (Designing, Building, Testing)

_				
9.	What parts, materials,	. and tools will vo	u need to make the inventior	n and how much will they cost

Sr. no! part name maderical 70018 1 A Pany tay Soft tay
100 Prod diameter 1 Steel
3 Vel (ro
10. Where will you get those parts and materials?

we will be getting these parts from any retail shops like walmart or anime- Amazon.

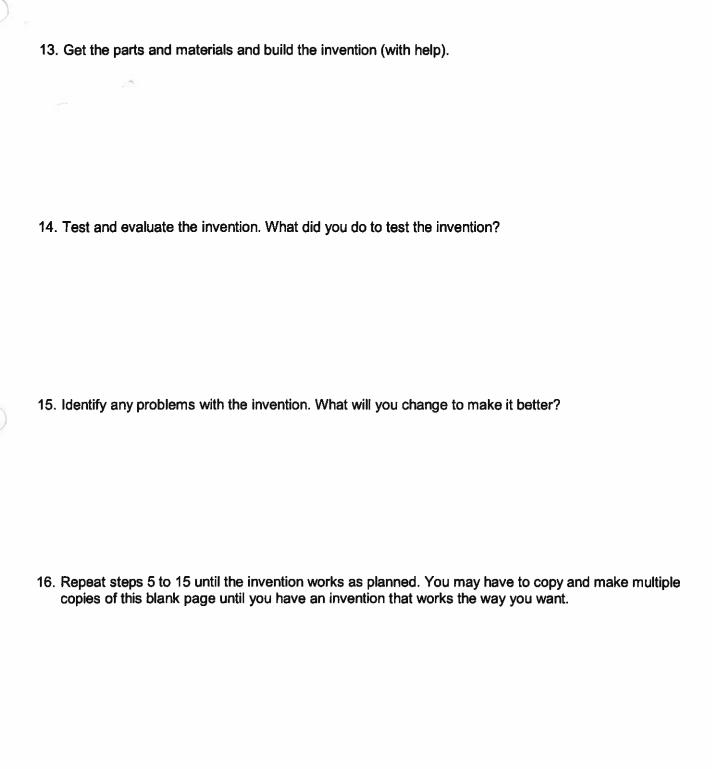
11. What additional skills or abilities will you need to make the invention?

we grust need pilor to bond Steel wire Par locking the Switch lever

12. Who can help you build the invention?

Mourseif- Abhidha & sreeansh our menter. - Dr. shiri vively. My purents Abhijeet







Naming the Invention (Communicating)

- Naming your invention is important.
 - What words describe your invention?
 - Habit - fun tool
 - Think in terms of words that will help you name your invention.

Habit builder

- What is the function of your invention?
- Save electricity
- Save money.

 Save Giobal warming
- Think in terms of marketing it. How will it solve the problem? How will it help others?
- Save electricity to make habit for kids to on a off switch everytime after we
- D) recycle used toys It helps to use old soft toys or follownite toys to do ugriety It will help to save money with enjoyment

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- How is your invention different from others that may already be on the market? If it is similar, what did you do to make it better? How is it different?
- my inventions have a lot of variety or you can make by your own Revounite toys.
- It's inexpensive , easily audiousic and ready to use.
- Who is your target audience? Who would use your invention?

my target is mostly parents of 3.8 aged Kids, preschool and elementy School Management, Soft 1048, lover.

Some creative attention-getting techniques you can use are:

- > Alliteration (using the same first letters or sounds): "Kit Kat"
- > Rhyming: "Light Bright"
- > Alternative spelling: "Sno Bal"
- > Using numbers in the name: "Super Clean 3000"
- > Describing the function of the invention: "Hydro-Blast"
- · Which name do you like best and why?

 KIDS HABIT DEVELOPER

 TO SAVE EIECTRICITY

 Cause, it tells you what action the users do



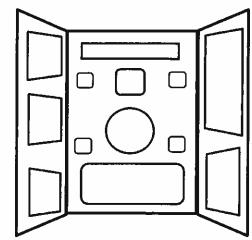
Planning and Creating the Invention Display Board (Communicating)

18. Create your display board. This is an example of what a Display Board might look like, but you can make it look however you want. This is your invention and your display, so use your creativity to tell the story of your invention the way you want.

Be sure you use:

- Fonts that are readable (style, size, color)
- · Colors that look good together
- · Shapes that are the right size
- Correct grammar and spelling
- Proper punctuation

Maximum size: With the wings folded in, the Display Board can only take 24" of table space. However, you are allowed to open up the wings during your Judging Circle presentation.



Your Display Board MUST contain the following information in one consolidated place on the poster:

- Student(s) Name(s)
- Project Name
- Student(s) Grade(s)
- Student(s) School
- School City, State
- Preferred Industry-Focused Award Category (e.g. Telecommunications)
- Patent Status (three options: None, Under Counsel, or Patent Pending)

Students should note "Patent Pending" on their posters for Patent Status **only** if a provisional or non-provisional patent application has been officially filed with the USPTO. If you are currently represented by an attorney or patent agent (pro bono or otherwise), then mark "Under Counsel." It is possible to be both "Under Counsel" and "Patent Pending", or just "Under Counsel", or just "Patent Pending" (if you did the filing yourself).

You might also want to add this information:

- Images showing you building or testing
- How the invention was made
- How the invention is used
- The biography of the inventor
- Text which supports and explains any pictures, drawings, charts, etc.
- What scientific principles were used in your invention? (e.g. buoyancy, heat transfer)
- What engineering disciplines were used in your invention? (e.g. electronics, optics)
- Testimonials from users, research results
- · Any other information about the invention that will help explain it, what it does, or why it is good



Practicing What You Will Say About Your Invention (Communicating)

19. Be prepared to answer questions. Here are some questions that you might be asked in the Judging Circle by the judges or fellow students. To help you prepare, you might want to write down some of the important parts of your answers so that you have them when you practice giving your presentation.

(video pilon)

• How did you come up with the idea for this invention?

I forget to turn the lights off and it leads to GLOBAL WARMING

• What people, situations, or conditions does this problem affect GREEN HOUSE GASES AND REDUCE REGIONAL WARMING

How did you think up your solution to the problem?

I JUST SAWA SOFT TOY AND THOUGHT OF

USING IT



• Where did you get the materials for the invention?

• Who helped you build the invention and what did they help you do?

• Are there other, better materials you could have used that would improve the invention?

Who has used your invention and what did they think about it?

SIS-SHE THINKS ITS FUN





20. Be proud of what you have done. You will use the problem-solving and communication skills you have gained here throughout your life and career. Congratulations on what you've done!

Blank Page(s)

These blank pages are available for you to add anything to your Invention Log that will help explain what you did, how you did it, and what the results were. This could include drawings, calculations, descriptions, test results, etc. Multiple copies of this page can be inserted anywhere you want in the Invention Log.

