**Invention Discovery Scavenger Hunt 2**

**A Tornado of Ideas?**

Using brainstorming (Rule 1. There are no bad ideas so all ideas count)

Use this page when you are ready to start working on one idea to solve a problem you found. This page will start the process of inventing. Write out your problem here: My head is too cold

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| Solutions: write them below | Reasons this is a **Good** idea? | Reasons this is **Bad** idea? |
| 1. wear a piece of clothing on your head
 | It can look good | It costs money |
| 1. take a warm shower
 | It does warm you up and you can control the temperature | it is only doable inside and adds to water bill. |
| 1. grow hair longer
 | It is free and can work | Takes a very long time and will get annoying at some point. |
| 1. put hands on your head to warm it and shield it from cold
 | Works anywhere and free. | Might look weird and eventually hands get cold too. |
| 1. A cream that warm your body
 | It warms your head up and doesn’t look funny | It costs money and could potentially have bad chemicals inside. |

**Are You a Solution Seeker?**

By now, you have learned that many people are interested in solutions that allow them to live better lives. What kinds of solutions are important to you? Is there a special challenge that you’re working on solving? Read the questions in the chart below, then write your thoughts down.

My idea: a headband with a heating device inside.

Problem I have identified to solve: my head being cold all of the time.

Things I will need to know in order to solve this problem: a heater with a charging port and a headband

Who will I need to talk to? Who can help me with this invention?

I don’t think I would need help by someone to make it.

If I wanted to build a model of my invention, how would I try to do it?

I would get a headband and a small heater and make a prototype.

What materials will I need to make my model?

Any type of headband and a small enough heater to put inside

What equipment will I need to use to make my model?

It could be done by hand but scissors would make things more efficient

What steps will I have to take to invent my model?

Purchasing the materials, building the design, and making it look decent.

What problems could come up (potentially)?

The heater could be too big and I would have to switch to putting something else such as a hand warmer

Who can I go to for help? (Besides Mr. Romani)

I don’t know that I would need a ton of help to make it so I most likely wouldn’t have to get help.

**Patently Perfect!**

Going through the Trademark Process

Before you get too far along on your invention, it makes good sense to make sure that no one has come up with the same invention before.

 I invented a means to view new borns in their baby seats. The problem I identified was baby seats for cars require you to place the baby facing towards the back of the vehicle. The problem here is you can’t see the baby directly, so it’s difficult to tell when the baby is choking, in an awkward position or may have torticollis. By inserting a mirror in the back corner of the car/vehicle and another one that clips onto the rear-view mirror, you can adjust them to see the baby easily from the front drivers seat. There’s a quick example for you…. And I had no idea until I became a father and experienced this situation.

To do this, you will need to visit the U.S. Patent Office online and search their patent database. The URL is <https://www.uspto.gov/patents-application-process/search-patents>

One you have found the site, quick on “quick search” Under - **Searching Full Text Patents (Since 1976)**

What is your invention about?

What words would you use to describe your invention? Using the answers to these two questions, generate 10 key words that relate to your inventive idea:

|  |  |
| --- | --- |
| 1.warm | 2.headband |
| 3.headwear | 4.heater |
| 5.head | 6.clothing |
| 7.fashion | 8.head-attire |
| 9.convienient | 10.techwear |

Next, type these keywords into the search fields on the U.S. Patent Web site. Try different combinations of keywords two at a time. ***What patents so you find? Do any of them look like your invention?*** List the names of similar inventions below: