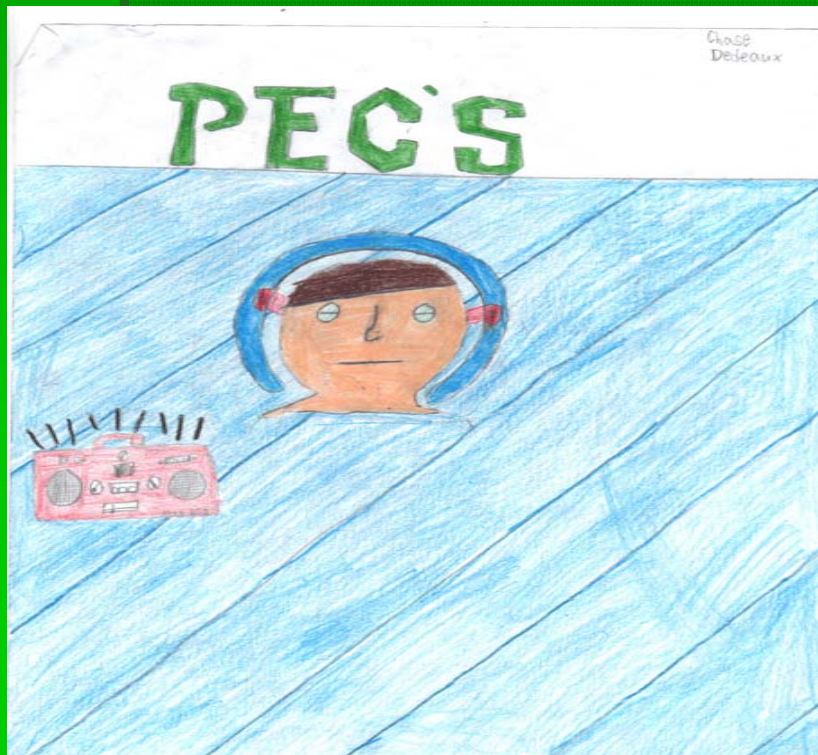


PECS



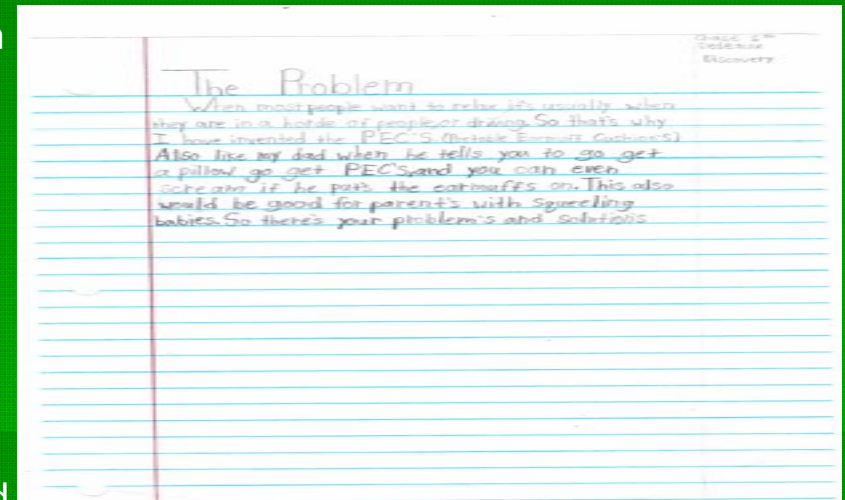
Chase D
Challenge #3
11
Mississippi

Describe the problem you want to solve.



When most people want to relax it's usually when they are in a horde of people or driving. So that's why I have invented PECS (portable earmuff cushions). To solve these problems like people in a plane, people in a car, or people in a large and noisy space. To solve these problems you need a pair of PECS to relax during these noisy and rough times. I can remember this one time in my car where this person had this radio turned up all the way and I was trying to go to sleep. So that would have been a good time to have a pair of PECS.

When my parents went on a plane to New York they said it was loud, and now that I have invented PECS they can fly in a plane as quiet as could be. Also, like when my dad when he tells you to go get him a pillow, go get PECS, and you can even scream if he puts the earmuffs on. This also would be good for parents with squealing babies. So there's your problems and solutions.





Make a list of possible ways to solve this problem.
(Sometimes we also add a question like - How have people tried to solve this problem in the past? Think of how you can improve on other solutions.)

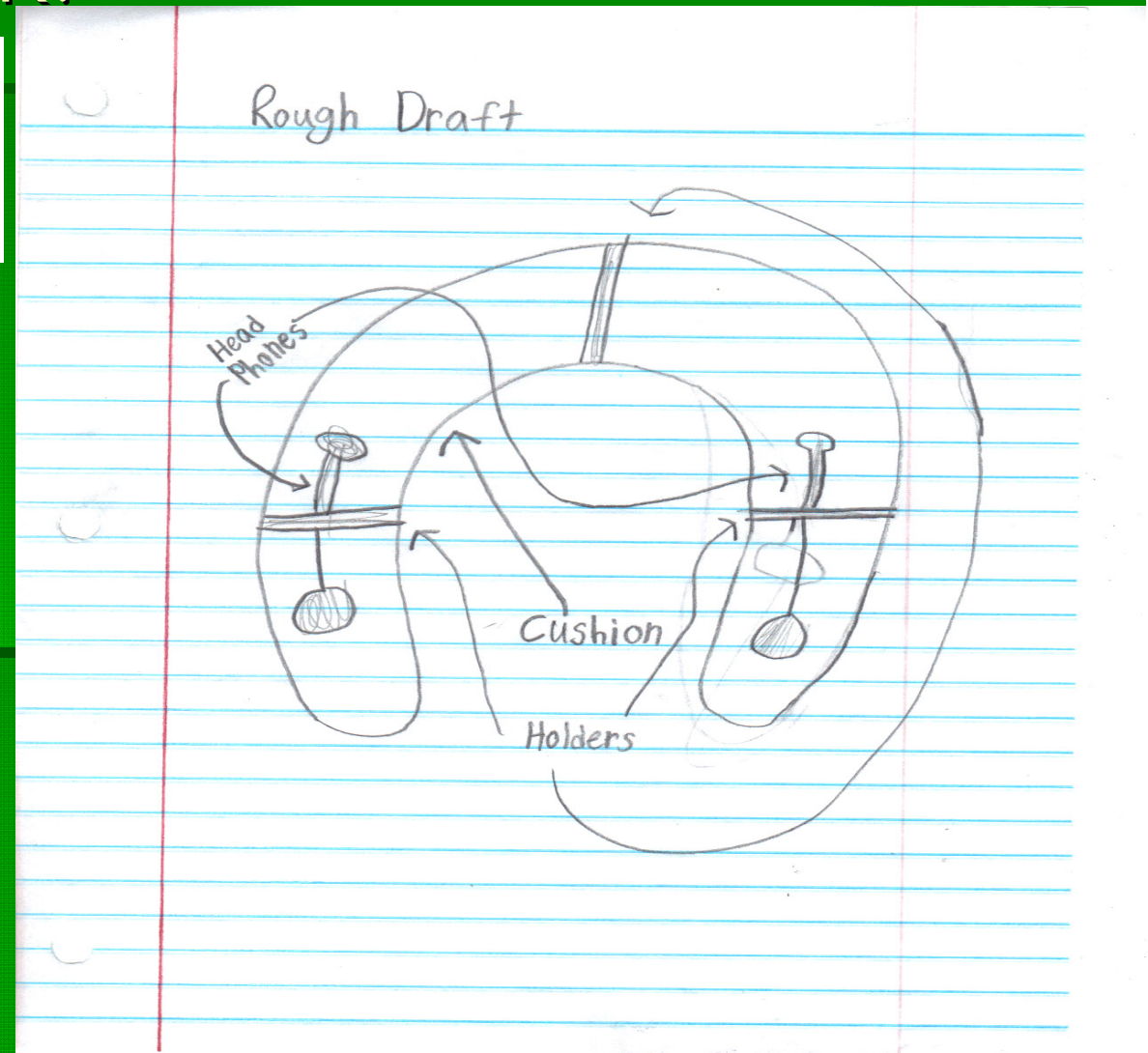
Possible Solutions to People Making Noise:

- *Ignore the problem
- *Wear earplugs, which can be uncomfortable
- *Wear earmuffs, which would be more comfortable.

Draw pictures and diagrams to show your invention and how it might work.



You first need headphones, holders, and a cushion that can go around your neck. You then place the headphones on the cushion, and then wrap the holders around the cushion making the holders hold the headphones.



Build your prototype. Write down each step so that you will remember exactly how you built your model.

First you get a cushion that can go around your neck then get some headphones or earmuffs. Next you get some headphone holders. So after you have those you put the headphones on the cushion and wrap the headphones holders around the headphones. You can adjust the headphones by moving the headphone holders. Then you can relax while you rejoice.

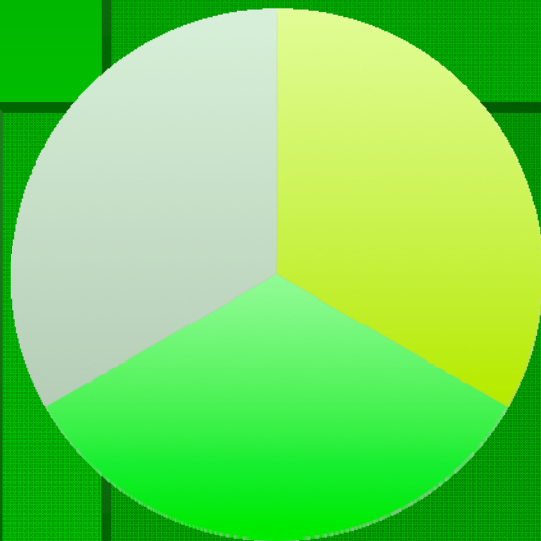


Perform some experiments to find out how well your prototype works. Write down the results of each test.

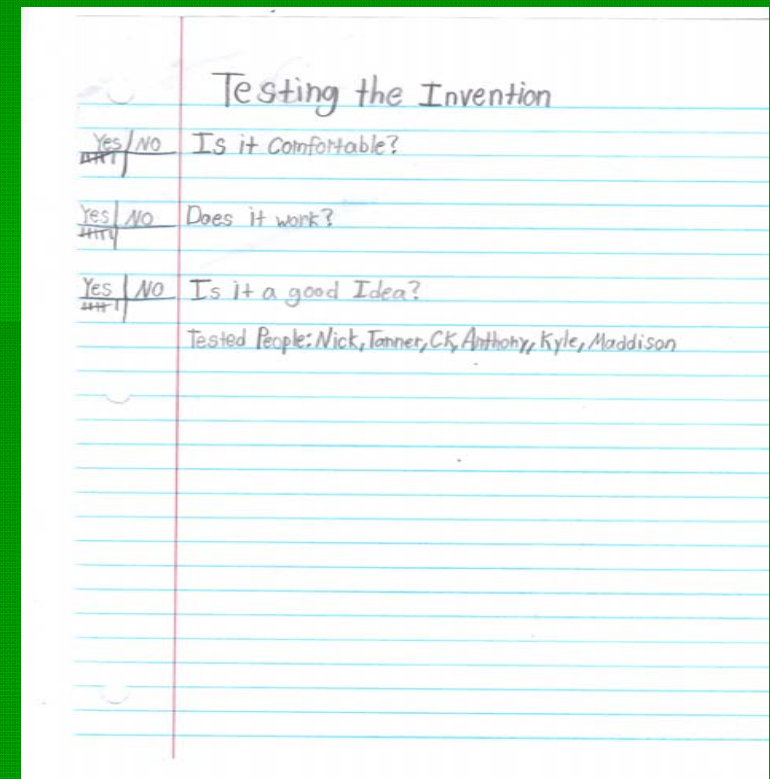


I asked people if it was comfortable, does it work, and is it a good idea. I asked six people those questions and I didn't have a single no. Every body loved my invention and people were fighting over it and asking me if they could have it.

Results:



- Is it a good idea? 100%
- Is it comfortable? 100%
- Does it work?



How can you improve your prototype?



I could have improved my invention by having different materials, but the bad news is some of the items I really need haven't even been invented yet. I did find some items that would make it work and it turns out, it works out pretty well. I surveyed about six people and every one of them said a significant yes to the three questions asked them. So I was astonished when people said yes when I didn't even want those parts. One of the parts I did want was where when you push a button the headphones would come over your ears and head.



Give your invention a name and explain why people should buy it.

I have named my invention the PECS witch stands for (portable earmuff cushions). They help relax people when they are tired and the place around them is really loud. I also think people should buy my invention because it is super comfortable.

