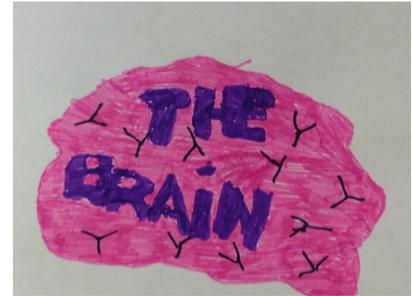


The Brain

Creativity and Inspiration

Our exhibit, The Brain, focuses on the brain's functions and its abilities. Visitors that enter will leave knowing more about the brain and how it works. Once you enter the exhibit, you will be free to choose what you want to learn about your brain. You will be surrounded by the parts of the human brain and what they do, as well as facts about the human brain placed all over the room. The main room has entrances to all of the small rooms each focusing on only one part of the brain. This



educational experience will give kids a new perspective every time they raise a hand, make a decision, or remember something. We wish to educate all ages about the science of the brain. They will be taught about the functions of each part of the brain and experience their brain at work first hand. Kids will enjoy learning about what parts of their brain control things they think, say, see, or do. They will learn about the importance of the frontal, parietal, occipital, and temporal lobes. After leaving, kids will want to learn even more about the brain. We think this exhibit would stand out in Science City because there is not an exhibit like it, and kids should know how and why they can move and think rather than thinking it just happens.

The inspiration behind The Brain started with an idea of the human body and developed from there. Our first idea was to make a dome of the brain, but we did not follow through as it would be making modifications. The exhibit in our image looks like the following: You first walk in and see a 3-D holographic brain. To the right and left there are 5x9 foot doorways that lead into rooms. The rooms are labeled with different lobes of the brain. When you walk into a room or lobe you will find different facts about that lobe. Then following after that room there are two movie rooms to watch a small video clip about the brain. In the back of the exhibit the brainstem room will connect the two in the back. You can then go into the play area with the slide through 3-D brain.

There are two reasons this exhibit is relevant the future. The first, and probably most important is that scientists and doctors are not completely sure how the brain works. The brain is like a giant computer with components light years more advanced than what we can make. The second reason that our exhibit will remain relevant in the future is that we will always have our brains. Sure, in the future we may have bionic components in our brain, but the brain will remain the most complex organ in the human body. Lastly, our brain is the organ that controls your whole body and kids should know the importance of it for generations to come.

Interactive Exhibit Engagement

While you walk through the exhibit of the brain you will start to understand the brain's functions and how they interact with your body. To have fun while learning you can run, walk, or even skip (your brain is the one that makes all those things happen). As you walk in to your right there will be a station explaining the temporal lobe of the brain and how it helps you understand language and many other things. Then as you continue walking, in the middle of the room will be a hologram brain explaining the functions all in one. When you continue on your walk you will come to the occipital station of the brain. This will explain how your vision works and how important it is with many interactive games and many things. Then to your left you will start to work with brainstem and see how it works. There will be tests and games, so you can understand the brainstem better and understand how it works with swallowing and many things in your system.. Next you will start to work with the Parietal Lobe. You will take tests and play fun games to see how you understand your right and left apart from each other. Last but not least is the Frontal Lobe, the exhibit will explain how movement is made in your body. You will do many things in order to understand the Frontal Lobe fully. With all these exhibits you will be able to learn everything you need to know about the brain.

Constructability

The things we will be using for our project are polysoft tiles, plexiglass dividers, televisions, and metal. For the flooring of the exhibit we will use the polysoft tiles made from a company called AquaSeal. The outside of the brain and the dividers of the rooms will be made out of plexiglass. The plexiglass was a better thought over some other materials because it is a more durable and thicker substance. For the TV's there will be a strong plastic around them in order to keep them from breaking. There will also be a durable staircase for people with kids or little children to climb up in order to get to the slide. These are all very safe and reliable resources for our project.

Social media

On our social media websites, we have a plethora of ideas. On our Instagram page we have a boy smiling with two thumbs up, in the caption below it says " Come have fun at our interactive exhibit in games." Along with a hashtag, The Brain. Our other social media network is Facebook. On our Facebook page we have a model of the brain. We encourage kids to interact and take selfies to show that they are there. These pictures will include a caption about the exhibit.

Material Chart

Item	Quantity	Cost (estimated)
Exit / Enter Signs	2	\$50
Twisty Slide	1	\$500
Tables	9	\$630
Projectors	2	\$1,500
3-D Projector	1	\$250
Plexiglass Sheets	2,254	\$46,850
Benches	4	\$30
Movie Chairs	22	\$1,760
Tablets	12	\$15,600
Televisions	12	\$19,200
Interactive Balls	2	\$80,000
Polysoft playground flooring	2,600ft ²	\$45,000
Grand Total	1	\$231,370

Student Involvement

We have read numerous articles and excerpts in order to complete this proposal. We watched videos on how the brain worked and how intricate it can be. Our whole group came up with a design process and all the materials that we would think would work and what would not work. We followed the design process and went through it very thoroughly. We asked our teachers about our constructability to get feedback and a different perspective on our exhibit. We did our research on products that would be safe and very trustworthy.

We thought of the body from the beginning . At first we were thinking cells and how they interacted in the body, but then we thought of how difficult it is in trying to find just what we needed to build that exhibit. We then thought of the brain, one of the greatest most useful organs in our bodies. We researched how we can make into a fun learning experience for all ages. We

began our project design and we failed a few times, but then we finally got a hold of what we were doing. Our group thought of many ways we can build our project durable enough for little kids, but we still had to work on something in order to make it interesting for adults. We started to create our layout for the exhibit after choosing a space and considering our limits. Following our design plan, our group began finding materials and calculating budget to ensure we make the exhibit high quality. After coming up with the basics, our group had to make sure everything was quality work. The Brain exhibit idea was an idea that was agreed on and it turned out pretty well.

After visitors come to our astonishing exhibit, they will leave being more interested in the science behind our brain. Our brains are an essential part of our bodies and our exhibit stresses the importance of it.

