***Staff Guided Exhibits***

**Visual Channels**

* Do you think that other animals have similar visual channels? Explain your answer.
* If you believe that there might be a difference between organisms, choose an animal that you think might have a very different system than humans. How do you imagine these channels to be similar? How do you imagine them to be different? Explain.

**Confusing Colors (The Stroop Effect)**

* What do you predict is causing the delay as the volunteer reads the colors? Explain as much as you can in terms of perception, processing, and expression of the words. How would you test your prediction?

**Card Sort**

* How is this activity similar to the Stroop Effect? How is it different?
* What are the nervous system processes involved in this task?
* What do you think might account for the time difference in each task? Explain.
* What are your thoughts on the reliability of this data? Explain

***Self Guided Exhibits***

Now, you will have a chance to explore some exhibits on your own. You probably will not have time to complete all of the tasks, so choose wisely, young Jedi. Use the attached map to locate each of the exhibits using the corresponding number. You do not need to complete them in any particular order. You may take notes if you choose, or simply discuss the questions with your peers.

1. **Startle Effect**
* How does anticipation factor into the experience?
* Was your experience the second time you tried it different than the first? Explain in terms of learning.
1. **Emotion Tracer**
* What do you notice? Are there any patterns that you notice about the types of things that trigger an emotional reaction? Are you reactions different than your partner’s?
* Which parts of the brain are engaged when “picturing” something happening? Consider what is happening within your nervous system from the event of your partner reading the card to the point of your physiological response?
1. **Hoop Nightmares**

Follow the instructions on the exhibit. Once you have been able to hit the basket 10 times in a row, quickly remove the goggles and continue shooting.

* What do you notice?
* What do you think is happening in terms of learning?
* How could you design and experiment to find out?
* How is this type of learning different than the type that occurs in *The Startle Effect?*
1. **Making Meaning**
* What factors do you think affect the choices you made in this activity? Frame your answer in terms of nervous system function.
1. **Center of Attention**
* Describe your experience with this exhibit. Did your reaction surprise you? Explain.
* Consider what is happening within your nervous system from the event of reading the prompt to the point of your physiological responses?
* What might make the experience of one individual different from another?

***Conclusion Questions:***

In the activities you did, think about the different perceptions, reactions, decision-making, emotions, and information processing that your brain was engaged in.

Do you think any of these processes are unique to humans?

Which do you think could be found in other organisms? Consider sensation and sensor processing, emotion, reflexive responses, decision-making, and the role of language.