**Intro to Scientific Inquiry**

Since this assignment might involve a bit more time, you will have 2 weeks to complete this assignmentby 11:59 p.m. Please feel free to ask questions in the course cafe!

Create a Word document or PDF and turn it back in to me through the submission form.

* Observe something where you live: **briefly tell me what you observed**

This can be anything around you! It doesn’t have to be hard.

* Ask a comparative question (should not be a yes/no question) **Write out your comparative question**

So instead of asking, “does my dog like bacon better than my cat?” you could ask, “How long does it take my dog to show interest in a piece of bacon and start to eat it compared to my cat?”

* Form a hypothesis: **Write out your hypothesis--usually just a sentence**

I hypothesize that my dog has no reaction time and eats the bacon within a second while my cat will take much longer to smell the bacon and investigate it before eating it.

* Make a list about how you could investigate: **Briefly write out ways that you could go about setting up experiments**
* Set up a simple experiment (3 trials is usually good): **Let me know what experiment is**
* Gather data: **Describe the results of your experiment. Did the experiment support or reject your hypothesis?**
* Reflect:

**How did your experiments and results support or disprove your hypothesis? Briefly explain.**

* Could you improve your experiment? **Tell me how you could change your experiment if needed.**
* More questions? **Explain if your experiment or results brought up more questions that you could examine.**
* Communicate results: **Give a brief overview of how this method worked for you, how you would change or improve it, and any questions you might have.**