

% Trevor Swan  
% ENGR 130 Homework 7  
% October 8, 2023

- 1) What is one point that the speaker made that was particularly impactful for you? Why did it make an impression on you?

I was particularly impacted by the discussion of ideas needing to be fostered over many years. His example of Darwin's notebook was very interesting to me, and I was shocked to find out that his notebook had the entire natural selection theory in it before he actually had that lightbulb go off. He clearly had an idea building in his head and he had been studying many different habitats and animals, but seeing how long it took to get to the final parts of the theory was interesting. It stood out to me because we're often forced to make big decisions or share ideas on a whim, and sometimes we might get discouraged because there isn't a clear end in sight. This history regarding Darwin shows that you should keep pursuing that idea in the back of your head because if you devote yourself to it, you can make it come to life.

- 2) What actions will you take, based on the content of this video, to help your teams develop innovative ways to solve problems or create designs?

Johnson's discussion about the development of big ideas in chaotic spaces where ideas can be freely bounced off of one another is quite relevant to group work in and out of class. It seems to be more beneficial to brainstorm designs and prototype in a group setting, as those big moments and light bulb going off moments may only occur when people are working together. When Johnson said, "Chance favors the connected mind"(17:36), it stood out to me because of its usefulness in the lab. If everyone in the group works independently, the design will not be the best it could possibly be. If everyone works together, however, the design will reach its full potential, including everyone's ideas and negating the mistakes of the individual. I will use the information gained from this video in every team setting I find myself in, creating designs and solving problems with the help of the collective rather than the individual.