Here’s what we need to submit by tomorrow:

With your group, come up with a project idea and submit the following:

1) Your Research Project Idea

We want to investigate how rotation relates to perception of an image and how outside factors like cognitive tests and meditation affect your ability to do that.

2) Why you choose this idea

We thought it would something interesting and accessible to us. It is important because how we perceive things in reality are easier to manipulate than mental images. This experiment would be to confirm this notion and to add some factors that may play into perception.

3) What factors are you planning on using for this study.  Note: There should be more than one factor involved in the study and each factor should have at least two levels.  Some examples of factors: Amount of Drug used, Type of Teaching method, Type of movement measurement (IFit vs Fitbit)

We will investigate how the maximum angle that a letter or picture can be rotated before the subject can’t recognize it is affected by meditation beforehand and/or a hard mental task before hand.

4) Provide a couple of peer-reviewed articles to back up your proposal in APA formatting

Cooper, Lynn A. (1975). Mental rotation of random two-dimensional shapes. Cognitive Psychology, 7(1), 20-43

Milivojevic, Branka, Hamma, Jeff P., & Corballisa, Michael C. (2011) About turn: How object orientation affects categorisation and mental rotation. Neuropsychologia 49 (13), 3758-3767

Möhring, W., & Frick, A. (2013). Touching Up Mental Rotation: Effects of Manual Experience on 6-Month-Old Infants' Mental Object Rotation. Child Development, 84(5), 1554-1565. doi:10.1111/cdev.12065

Bergner, S., & Neubauer, A. C. (2011). Sex and training differences in mental rotation: a behavioral and neurophysiological comparison of gifted achievers, gifted underachievers and average intelligent achievers. High Ability Studies, 22(2), 155-177. doi:10.1080/13598139.2011.628849

Goldstein, E. B. (2015). Visual Imagery. Cognitive psychology: Connecting mind, research and everyday experience (4th ed.) (pp. 274-296). Stamford, Conn: Cengage Learning.