

Bio 10.1

Goals: Design and apply the methods of science towards questions of claimed biological activity

Plan:

- Students will recall the steps of the scientific method
- Share with table partners the requirements for good scientific design

Video: James Hydrick vs The Amazing Randi <https://www.youtube.com/watch?v=9cS6DjeBz7g>

- Analyze the video with the purported telekinetic effect
- Make a hypothesis as to the mechanism going on behind the demonstration
- Write down a proposed method to test this claim, predict what the results of this experiment would be
- Share with the class some of the proposals, analyze and give constructive criticism of the designs
- Compare and contrast how the actual test performed differed from the proposals in class

Ticket out the door:

In complete sentences, answer the following:

- 1) In order to accept scientific evidence, what requirements would you hold to make sure the results are accurate?
- 2) What are some ways scientists could eliminate biases in their work