

Student volunteer instructions to be read slowly and "mindfully":

- 1. Close your eyes... relax completely... Focus on your own gentle breathing... Notice the sounds around you, but do not be distracted by them...**
- 2. In a moment, when I say "begin," keep your eyes closed and try to estimate when three minutes have passed. At that point simply raise your hand. My assistant will touch your hand gently to indicate that the number of seconds of your estimate has been logged, and that you can lower your hand. After that you will continue to keep your eyes closed, and continue to relax, until I say, "now open your eyes." to indicate that the activity has ended.**

Follow up generative questions

**What happened?
What was going on?
Be honest did you count?
Was this fast (intuitive) or slow (analytical) thinking?**

Looming Knowledge Questions

- What are the some of the losses and/or gains when analysis and reason are abandoned in favor of intuition?**
- How much of intuition can be attributed to genetically-determined, "hard wired" instinct?**
- To what extent can intuition be attributed to solely to pattern recognition and associative memory below the level of consciousness? How does emotion come into play?**
- Can intuition be honed? What is the relationship between learning and intuition? Does the trained musician, dancer or mathematician have richer insights than untrained individuals in their respective fields?**
- Is intuition the mysterious stuff of creativity?**
- Mathematical proof hinges on hard logic and an assumption of certainty, but the axioms of mathematics are taken as self-evident. Is the edifice of mathematics founded on a fragile base of intuition?**
- When we make complex judgments in context are we relying mostly on intuition? Is there a genetically determined ethical instinct?**