Outline: The Attentive Brain

- PEW survey: teacher perceptions of impacts of technology on attention
- *Attention*
- Hemholtz definition
- Cocktail Part Effect
- Gorilla video: limits of attention
- relationship of attention to awareness/consciousness (gating mechanism)
- Steps in Cognitive Process: definitions
  - attention & Perception
  - working memory
  - long-term memory
- Cognitive Load Theory
- Effects of multitasking on attention: Nass article
  - Methods & results
- Effects of Multi-tasking on working memory
  - Cognitive overload: research on extraneous information; divided attention
- Effects of Multi-tasking on long-term memory:
  - Poldrack article: Modulation of competing memory systems
  - Declarative vs. Procedural memory
  - brain structures associated with each
  - methods & results from Poldrack expt