Motivation

**FLUID REASONING IN THE CLASSROOM AND ON THE JOB**

**High Gf**
- Fosters creative answers, asks creative questions
- Profits from small hits – has a-bite moments often
- Needs freedom to explore a topic
- Learns mostly by trial-and-error
- Focuses on surface details – shown by minor variations

**Low Gf**
- Fails to implement known solutions in new contexts
- Needs explicit step-by-step guidance through multiple problems
- Needs concrete examples
- Failed to anticipate implications

**Schneider & McGrew, 2013**

Salthouse, 2004

Approach

- Working Memory
- Inhibitory Control
- Cognitive Flexibility
- Reasoning
- Problem-solving

**Synonymous with Fluid Intelligence**


**Shelton et al., 2010**

**Miyake et al., 2000**

Other Interests

Human performance and behavior, cross-cultural understanding and training, cognitive neuroscience, neuroanthropology, interpersonal and small-group dynamics, human performance in extreme environments, genomics, human-machine interfaces