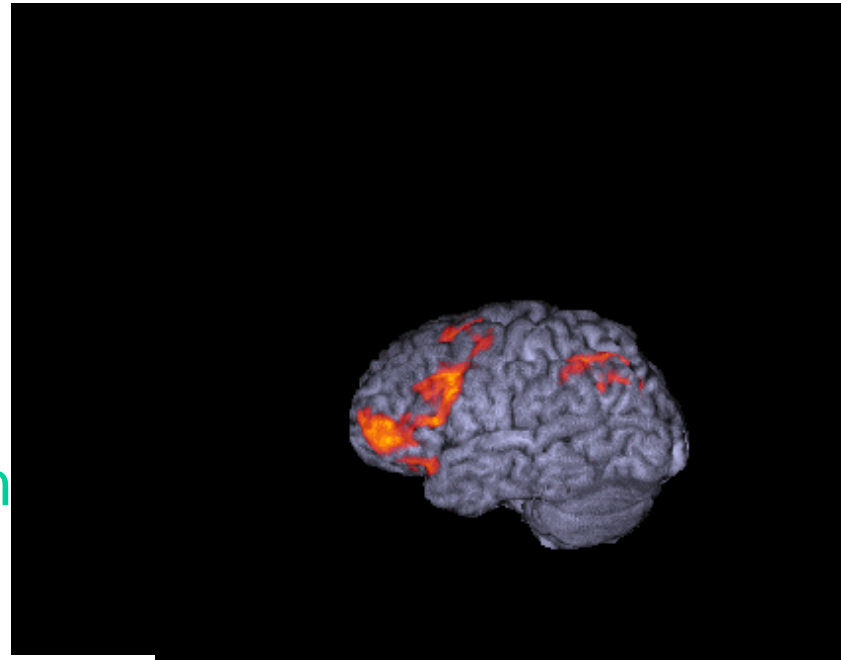


Giftedness and the brain

Day 2

Session 1: 1000-1130

- What is the neural basis of intelligence?
 - IQ test
 - Intelligent thinking
- How are gifted children's brains different from others?
 - When doing hard stuff
 - When doing dumb stuff



Iowa study of mathematically precocious youth (2)

Subjects: mean age = 13 years
SAT Math > 1300 (/1400)
top 0.5% of IQ distribution

Task: chimeric faces preference

Method: ERP recording, alpha band

Hypothesis: sex differences in
hemispheric function

