



Child under 7 must be accompanied by an adult

"The 5 to 7 shift"

- Increased responsibility for tasks
- Less supervision
- Direct instruction

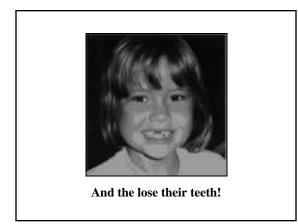
Components of the transition

- Physical changes
- Neurological changes
- Cognitive changes
- Specific experiences

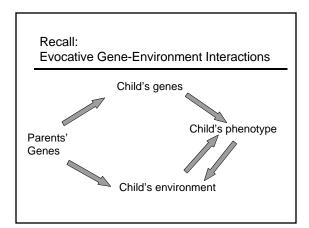
Physical Changes

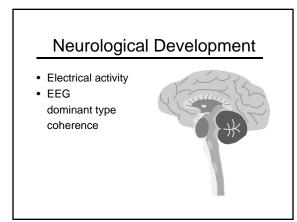
- Rapid growth
- Weight gain
- Body strength
- Agility
- Fine motor control









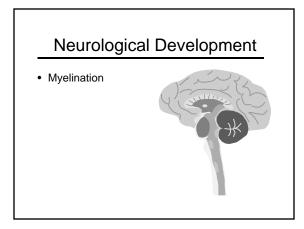




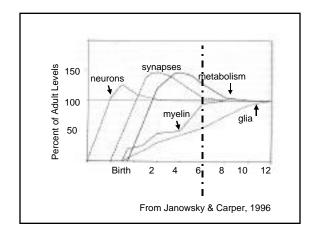
Stauder et al., 1993

- Conservers and nonconservers
- Ages 5 to 7
- ERP
- no diff on "oddball" task
- diff on conservation task





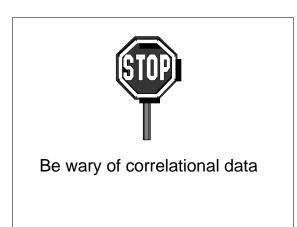






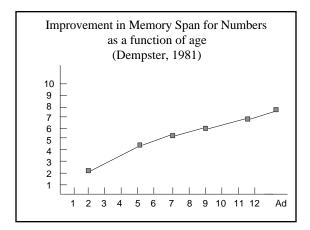
Note:

- EEG/ERP with kids is tricky
- Many possible interpretations e.g., myelination (threshold or stabilization?
- And, as always...

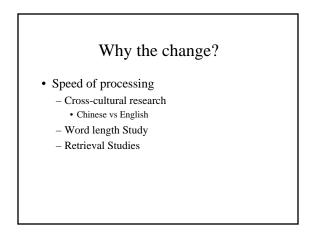


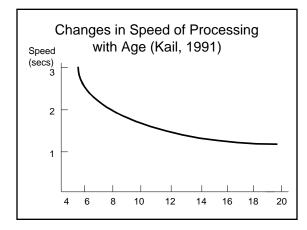
Cognitive Changes

- Memory Span
 - -Speed of processing
 - -Knowledge Base
 - -Memory Strategies
 - -Metamemory
- Inhibitory control









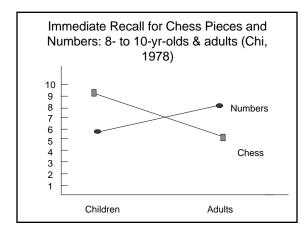


Also changes in:

- Familiarity with numbers
- Speed can say them

World Knowledge

- What is the most unmusical band in the world?
- A RUBBER BAND!!!!!!
- Why did the one-armed man cross the road?
- TO GET TO THE SECOND-HAND
 SHOP!!!!!





the more you know...

- Information organized better
- Frees up capacity so can process more information
- Allows for more "executive" processing

Also changes in:

- Knowledge about memory strategies
- Selection of strategies

Strategies

- Rehearsal
- Organization
- Mnemonics
- Elaboration

What brings about memory changes?

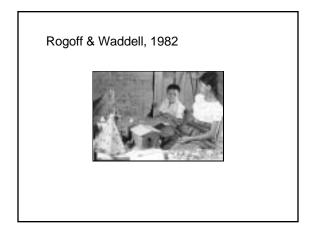
- Increase in speed of processing & capacity
- Increase in knowledge
- Acquisition of strategies for remembering
- Metamemory

Metamemory

- What is easy/hard to remember
- How well they can remember
- Which strategy to use in different situations

Age or Experience?

• Unschooled children and adults rarely use strategies on "lab" tasks

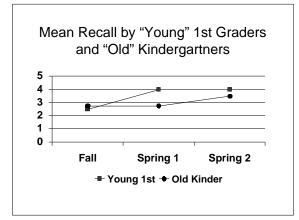


Studying Schooling Effects

- Methodological problems
 - biased samples-
 - wealth
 - child's intelligence

School Cut-Off Strategy

- Compare K and 1st graders-differ in age by a month or so
- Morrison, et al (1995)*
 Free recall 4 sets of 9 common objects (pictures)





Conclusions

- Dramatic changes in children's thinking and behavior at the onset of middle childhood
- Changes reflect interaction between children's new abilities AND specific experiences