

A Comprehensive Model for Specific Learning Disability Evaluations



Using the *Building Blocks Brain Model of Development* to Understand and Assess Learning Disabilities

Peter Thompson, Ed.S., Ph.D.

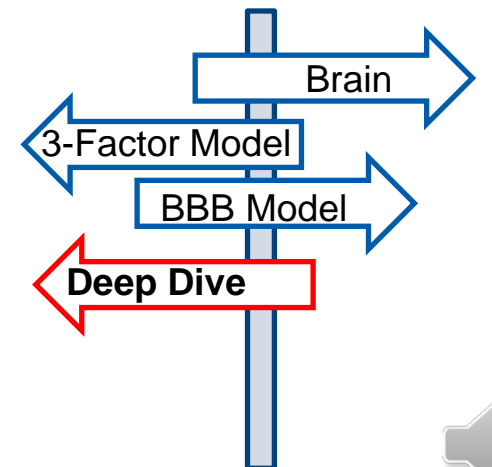




Module 2.2 Guidepost 4

The Building Blocks Brain Model

A DEEPER DIVE: Memory



Important Note

The information, concepts, and models provided in this presentation are intended to give practitioners a framework when conducting special education evaluations. It is emphasized that nothing in this presentation is meant to be directive or prescriptive. Professionals are free to use some, or all of the information presented, but they are not required to do so in their practice. **Always consult with your special education director for clarity around district policies and expectations for special education evaluations.**



IMPORTANT 

Learning Outcomes

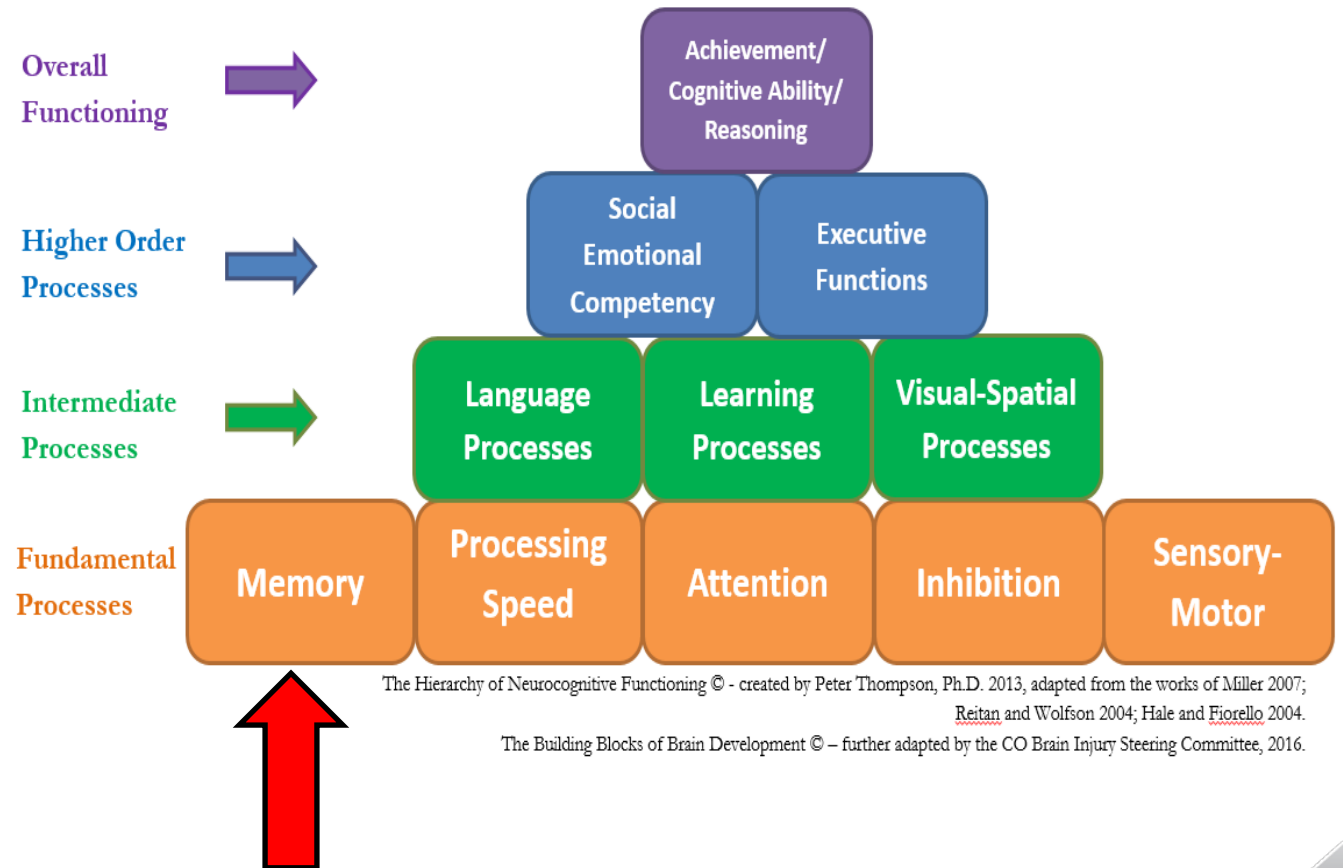
- Why is memory critical for all learning?
- Behavioral and academic “Look-Fors”
- How to properly assess memory



Key Points: Memory's Impact in Learning Disabilities

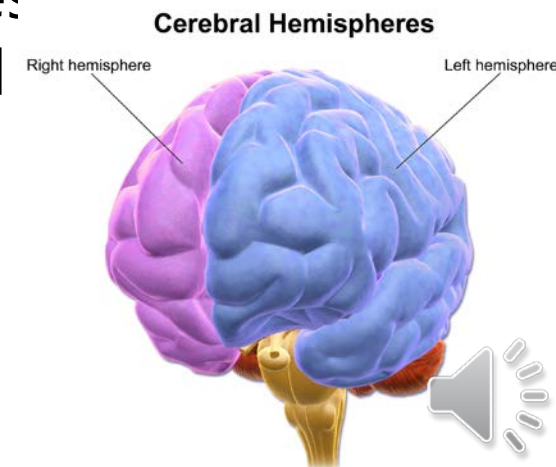
- **Memory is the storage room for experience and knowledge**
- **Important: Various types of memory**
- **Without memory, the application of what is learned will NOT take place**
- **Understanding, comprehension, will be hampered**

Building Blocks of Brain Development ©

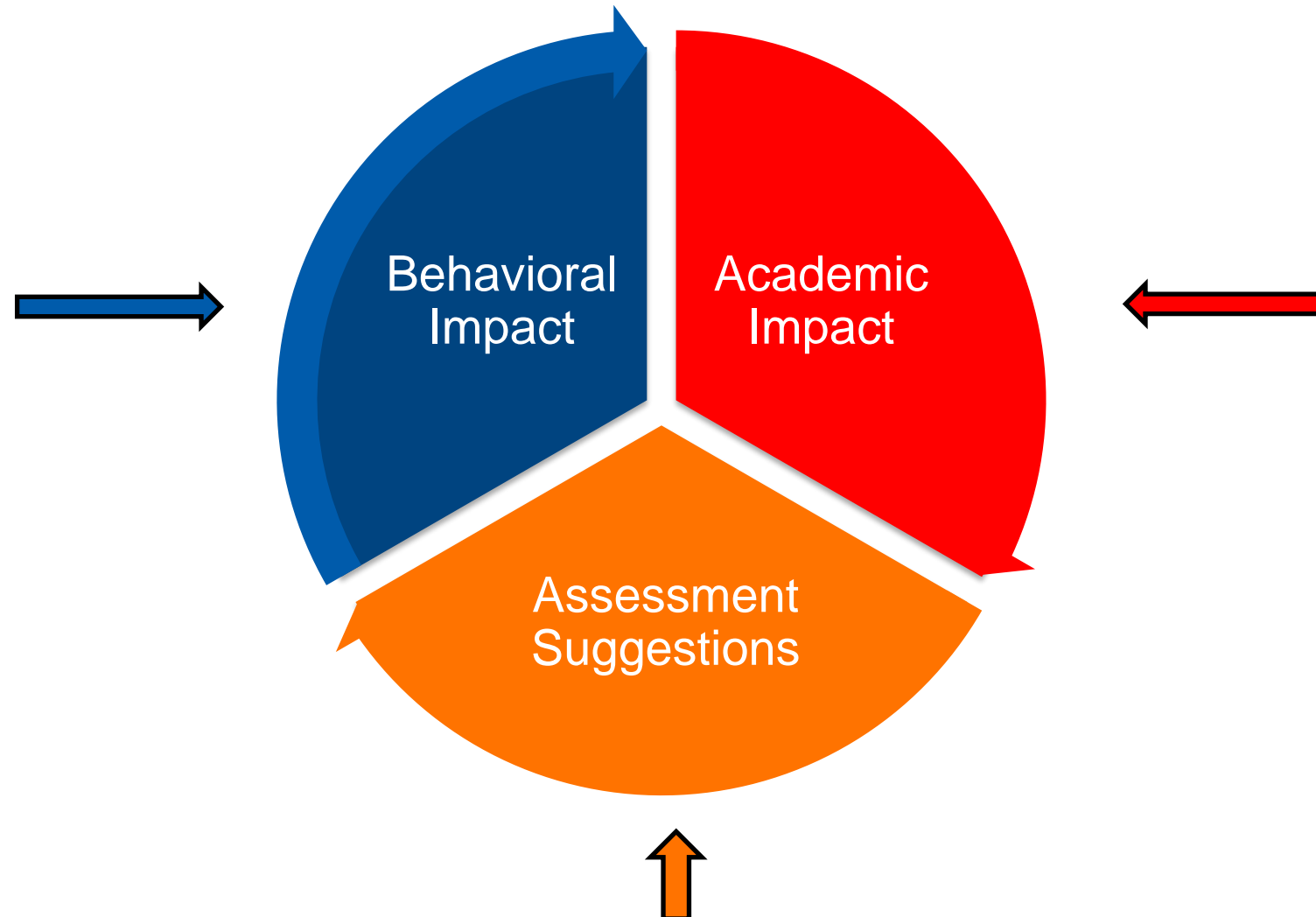


Memory and Impact on Learning

- Neurocognitive Perspective: “Learning” takes place in the brain when we merge what we “know” with new information.
- Existing paradigm into new information-which is why we activate “prior knowledge” as an effective teaching technique.
- Memory is “what we know”--letters, sounds, facts, sequences-- all necessary parts of learning, especially reading, math, and writing. Memory is essential for all learning!



Memory: 3 key Aspects to Consider in SLD Evaluations



Behavioral Impacts (Look-Fors)

- Appear to have attitude / defiance issues
- Can't repeat what was recently said
- Doesn't remember recent events
- Disorganized
- Forgets to turn in assignments



Behavioral Impacts (Look-Fors) Cont.

- Gets lost frequently and easily
- Learned helplessness
- Looks spacey, scared, nervous
- Repeatedly asks the same question
- Doesn't bring materials to class



Academic Impacts (Look-Fors)

- Can't retell a story, low comprehension
- Difficulty retaining new skills
- Difficulty with multi-step directions/multi-step problem
- Difficulty with spelling
- Fails tests despite of studying
- Forgets assignments / homework



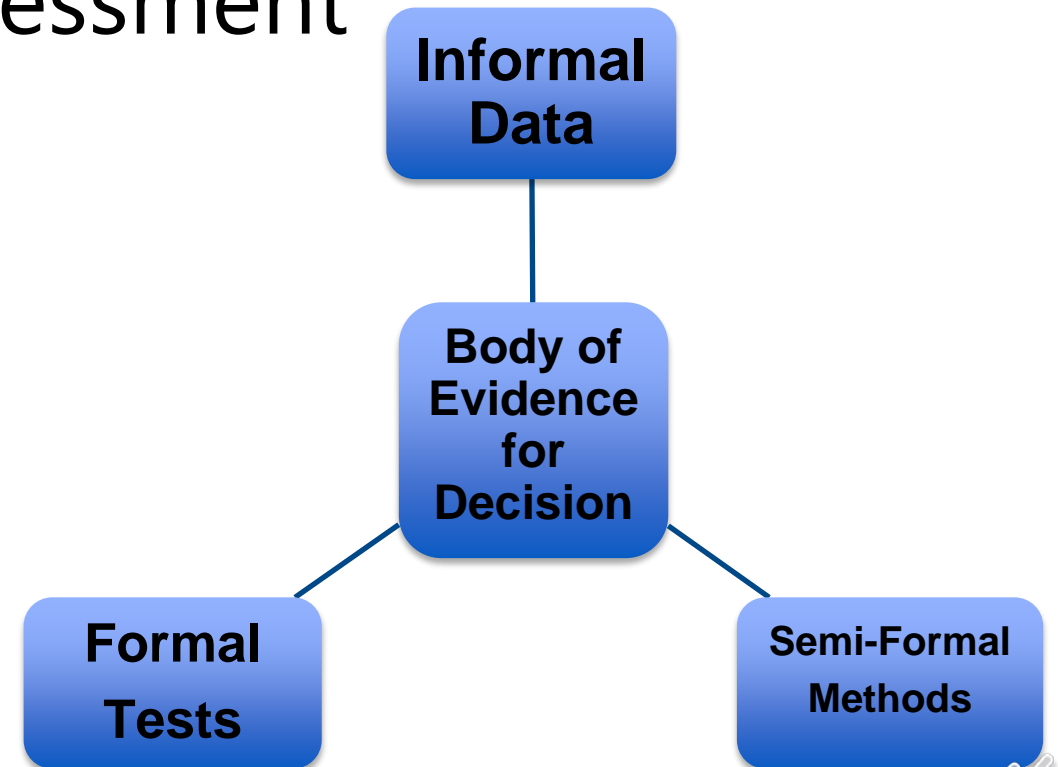
Academic Impacts (Look-Fors)cont.

- Forgets lectures and learning experiences
- Forgets people and names
- Inconsistent performance
- Splintered learning / low grades



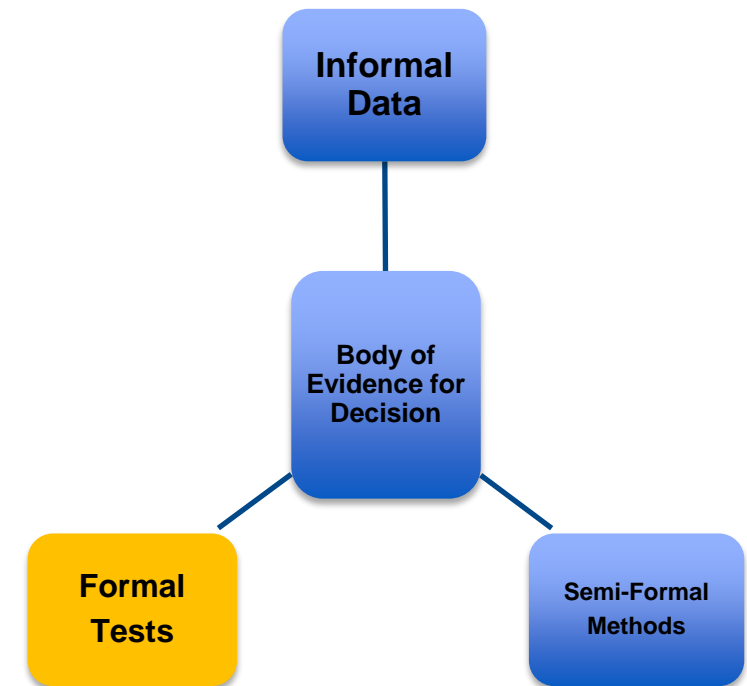
Assessment Suggestions: Memory

- Use 3-Factor Model for Assessment
 1. Formal
 2. Informal
 3. Semi-Formal



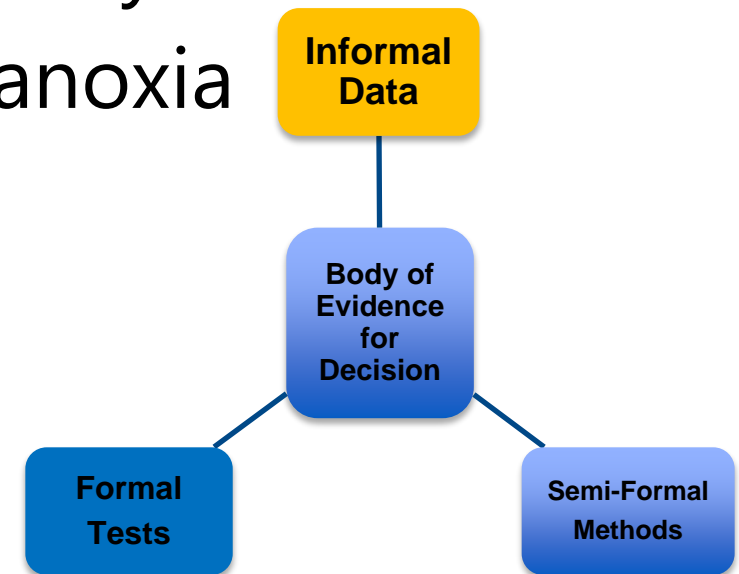
Formal Methods: Memory

- WRAML-2 (Wide Range Assessment of Memory and Learning)
- TOMAL-2 (Test of Memory and Learning)
- WMS (Wechsler Memory Scales)
- NEPSY-2 Memory Section
- *DAS-2: Selected Subtests
 - Recall Designs
 - Recall of Obj (Immed and Delay)



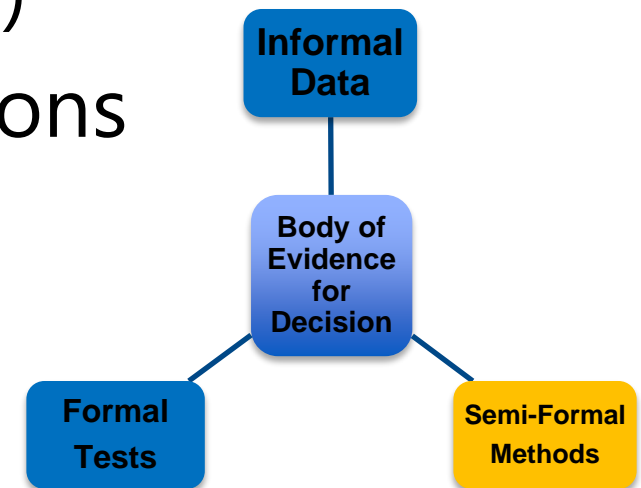
Informal Methods: Memory

- Parent, student, staff interviews
- Records review-social / family history
- Medical history -TBI/multiple cx/anoxia
- Observations-multiple settings
- Work samples

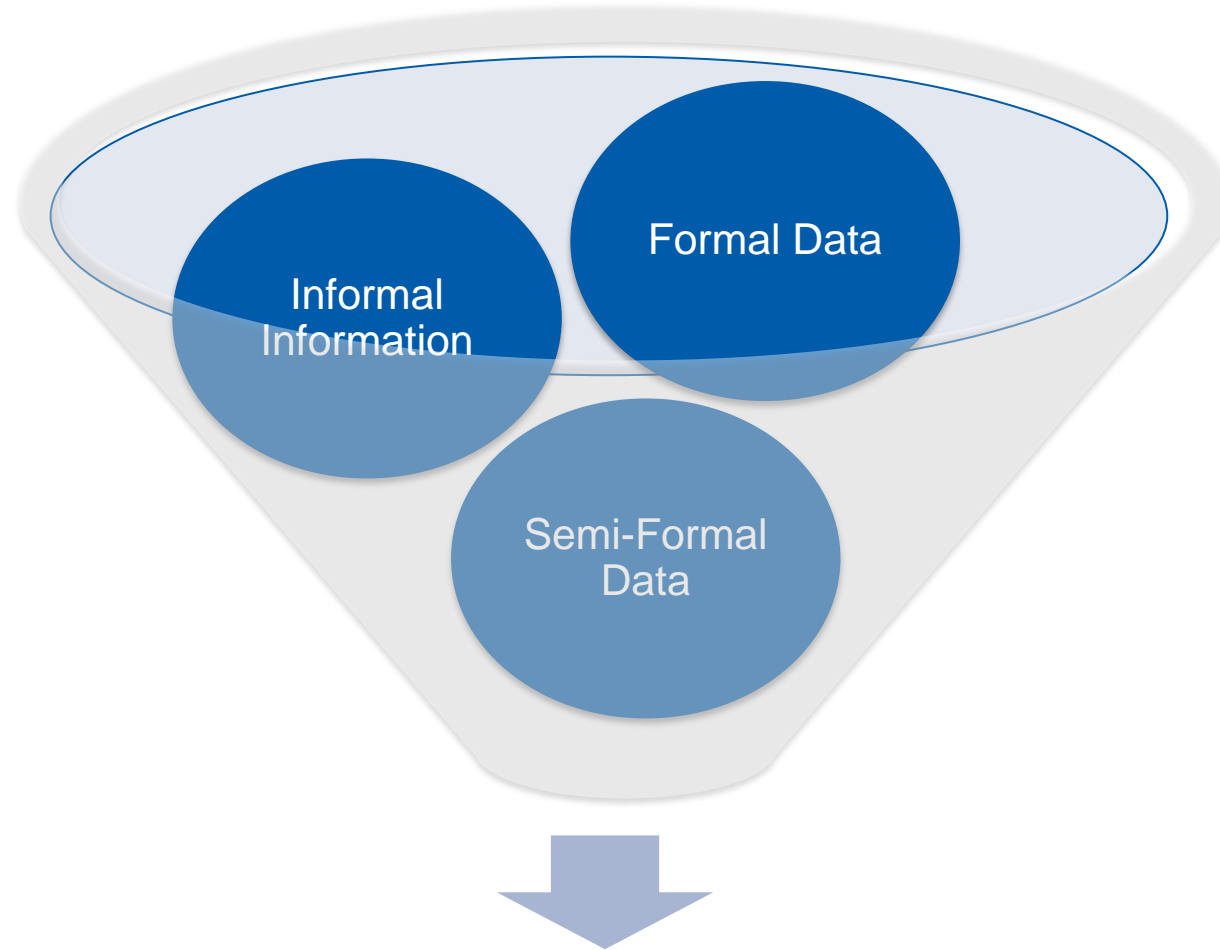


Semi-Formal Methods: Memory

- Memory rating scales (Self-created, Not normed)
- NEF section on memory (from CDE)
- Structured interview (student / staff)
- Structured / standardized observations



Examining Memory



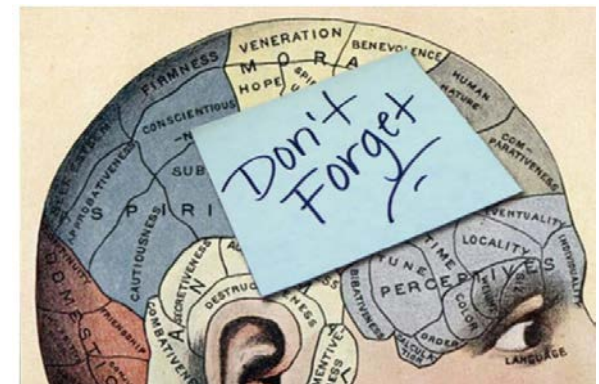
Integrated Body of Evidence




Summary

Fundamental Level

1. Memory is critical because it encapsulates a student's knowledge and experiences. Without memory, application of what is taught cannot be done.
2. Look for behavioral and academic impacts. Memory can look like defiant behaviors, when it is not.
3. Assess memory with the 3-Factor model.





Thank You for Listening

End of Module 2.2



Using the *Building Blocks Brain Model* to Understand Learning Disabilities

Peter Thompson, Ed.S., Ph.D.

