

Dynamic Assessment of deaf children's language and literacy skills

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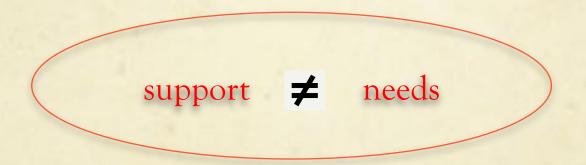
SSC/adept conference, June 24th, 2017

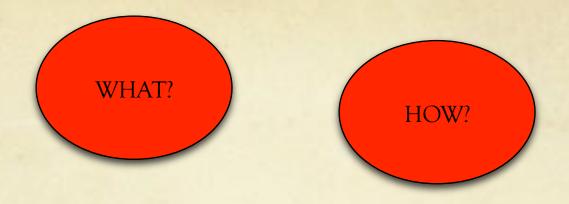
Is this new?

- Problem in studying children's language development in that it is difficult to distinguish between impairment and delays due to natural variations in the learning backgrounds (Hart & Risley, 1995)
- O Bilingual children/ELL (Gutierrez-Clellen, Simon-Cereijido, & Sweet, 2012; Sullivan, 2011)
 - O Unfamiliarity with standardized testing (Peña, Iglesias, & Lidz, 2001)
 - O Differences between their home and school language experiences (Flanagan, Ortiz, & Alfonso, 2013; Rogoff, 2003; Schieffelin & Ochs, 1986)
- Cognitive profile of children with reading disability cannot always be discriminated from that of generally low-achieving children when using static or traditional assessments (Swanson & Howard, 2005)

Why is this distinction important?

- Avoiding misdiagnosis
- Decreasing the likelihood of a mismatch between..





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Child's response to assisted performance as frame of reference for separating poor readers from children who are reading disabled

Dynamic Assessment (DA)

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• measure learning potential

• evaluate enhanced performance

• Learning through interaction with a more experienced peer or adult (Vygotzky, 1978)

Performance

O Initial ability level

Learning ability

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Learning potential: extend to which the performance of a child at a given time can be modified with intervention

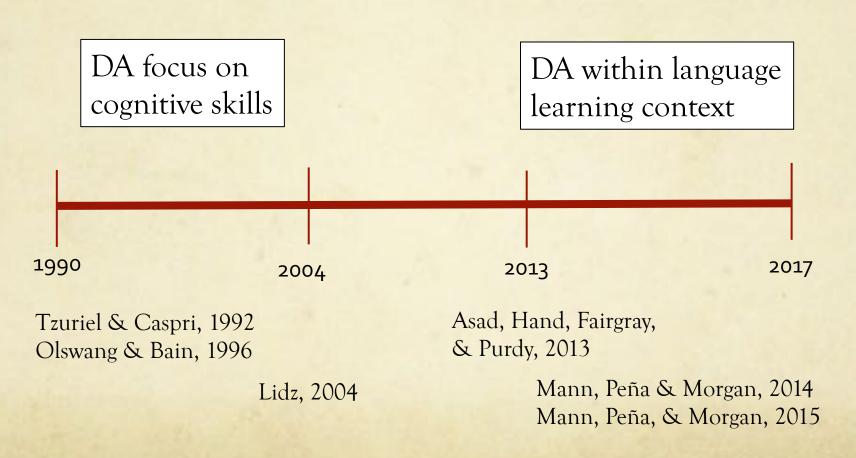
How do you carry out a Dynamic assessment?

Test – teach – retest

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2. Graduated prompting

DA with deaf children

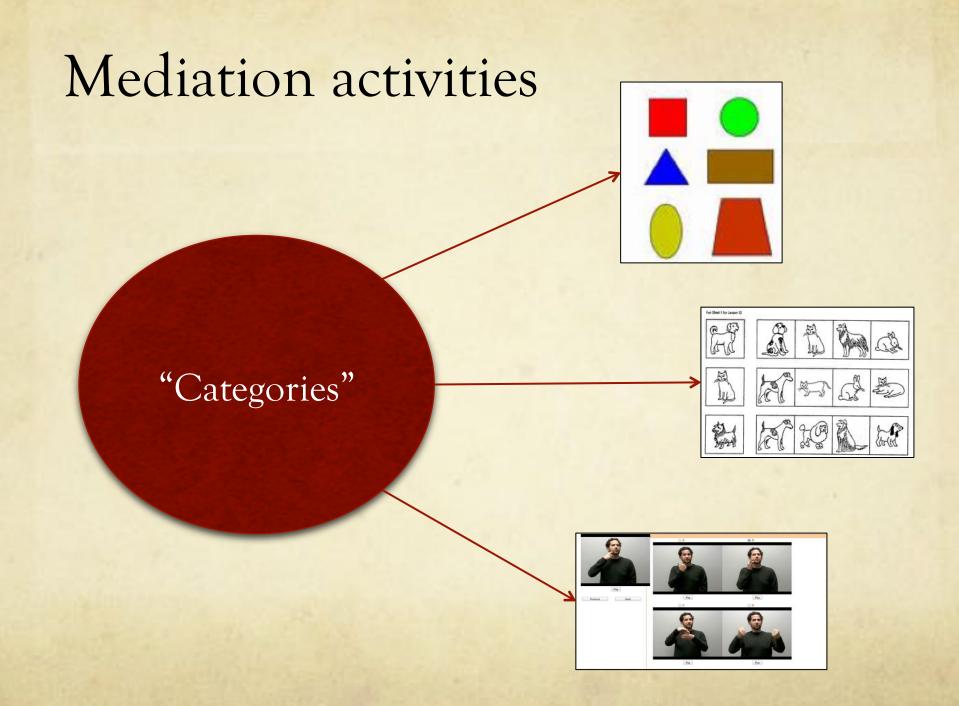


DA of vocabulary knowledge

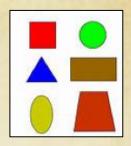
(Mann, Peña & Morgan, 2014; Mann, Peña, & Morgan, 2015)



- 37 children, 6-10 years, from Deaf school in USA
- 2 Language ability groups (weak vs. strong)



A: ..can you think of a different way of grouping these items? These shapes, you grouped them, but can you think of a different way of grouping these?

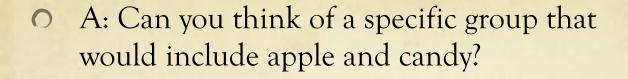


- O C: [Shakes head]
- A: No? Is this right or wrong? [puts all of the purple shapes together] Can you do this?
- O C: No because they are different shapes.
- O A: In what way are these shapes similar?
- O C: The color. Same.
- A: You cannot group them?
- C: Can't group them. They don't fit in the same group because of their different shapes.



A: Ok so you put all the dog pictures together in one group. OK. Can you think of a different way to group them?

- O C: No.
- A: Think of different ways you can group them. You can do it any way you want. Use your imagination. Is it possible to put all of the pictures in this top row in a group together?
- C: No they are different. One is a cat and the other is a dog.
- A: That's true, they are all very different. But they are all animals, right?
- O C: Yes but they are all different animals.





- C: *Shakes head* Because candy is not healthy.

 And fruit is healthy.
- A: So they are separate.
- O C: They are different...
- A: Do you think it would be possible to group candy because it is a food, right? And an apple is food, right? So if I wanted to make a big group of all foods, can I put both apple and candy into the group?
- C: They are different but you could. But I don't like to do that because if you have too big of a group you are forced to root through it to find anything.

Findings

- Group (strong/weak) differences in learners' response to mediation
- Response to mediation predictive of language ability
- Increase in post test scores
- Benefit of mediation regardless of ability

But.. isn't DA just like teaching?

YES but...

DA...

..provides information on how a child learns in a

short

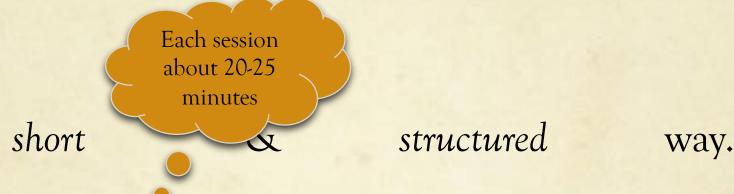
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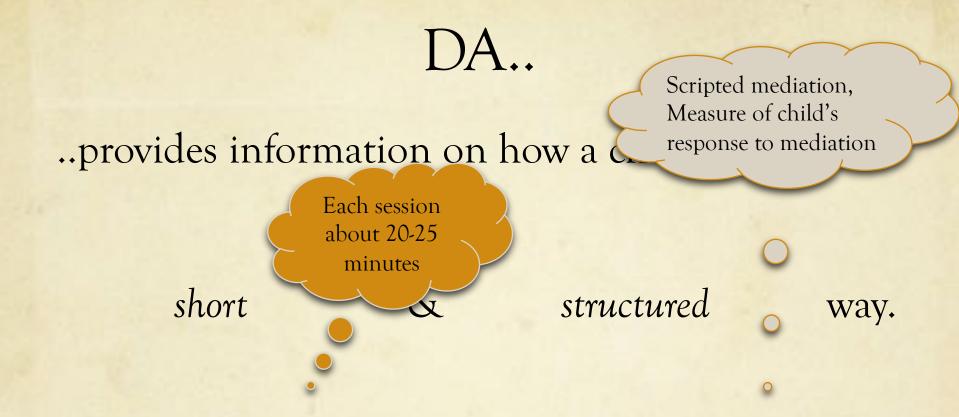
structured

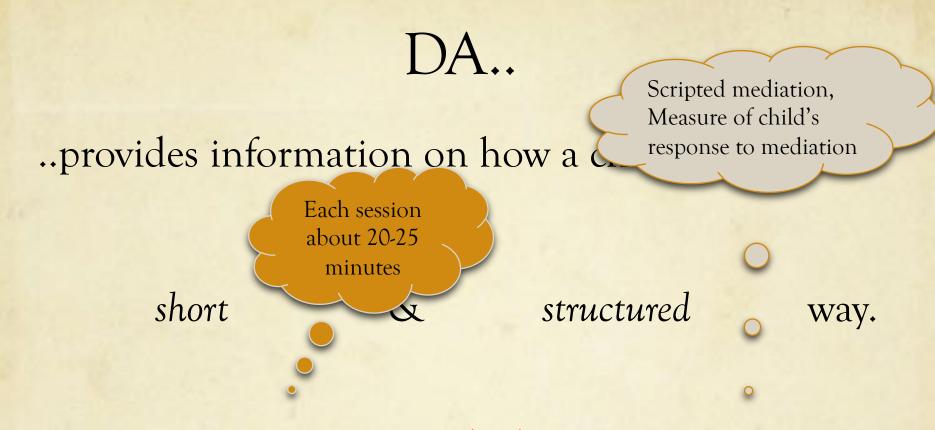
way.

DA...

..provides information on how a child learns in a



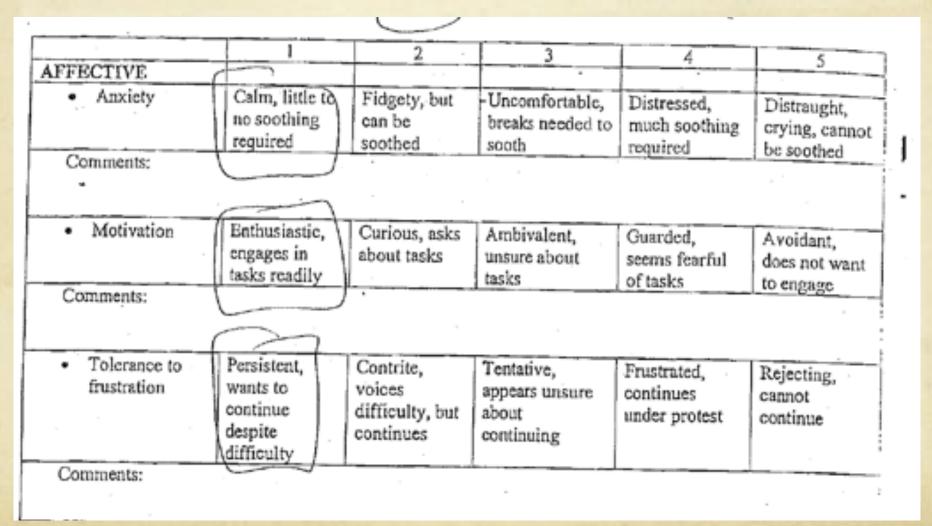




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This enables practitioners to form assumptions how the child may respond to future intervention

Evaluating children's response to learning





Evaluating children's response to learning

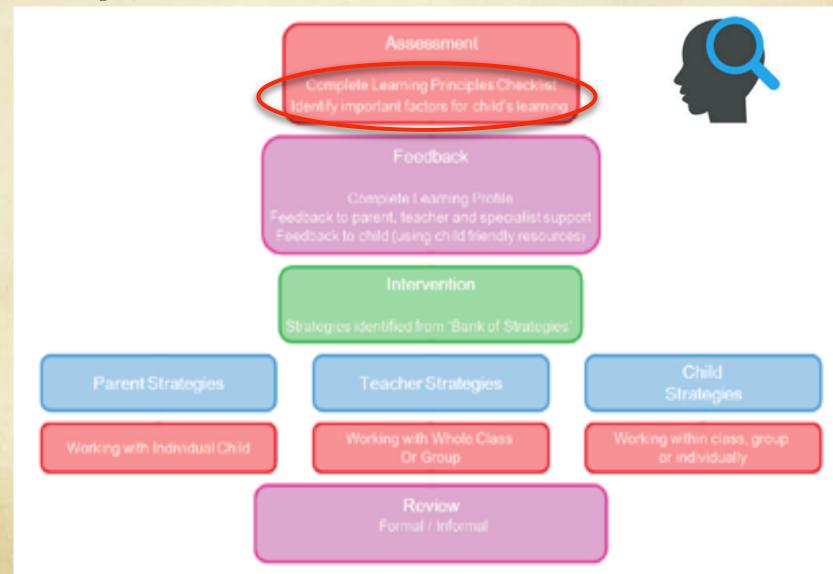
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COGNITIVE (cont.)					
Elaboration -		7			N
Problem-	Systematic	Organized, \	Sketchy plan	Disorganized,	No plan; triat
solving	and efficient	but inefficient		haphazard plan	and error
	and content				,
Comments:		\ ' !			ļ
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Verbal	Elaborates	Talks through	Talks		
	plan clearly	problem	occasionally	utterances only	mediation
	plan etearly				
Comments:					
		A			
	X	Hee professed	Some evidence	Recognizes	Persists with
 Flexibility 					
	strategies				
	readily	can change		44.	
-		when	occasionally	cannot see	outcome
	۱ ۱	necessary	utilizes them	alternatives	
Verbal mediation Comments: Flexibility	Uses multiple	Talks through problem Has preferred strategies, but can change when necessary	Some evidence of more than one strategy and occasionally utilizes them	1-2 word utterances only Recognizes limitations of strategy, but cannot see alternatives	No verbal mediation Persists with one strategy regardless of outcome



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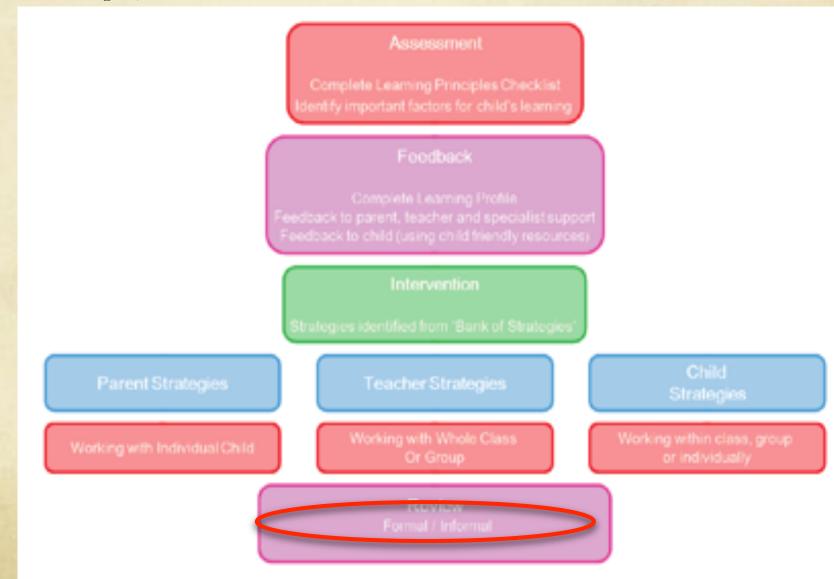
How to make DA meaningful in the classroom?

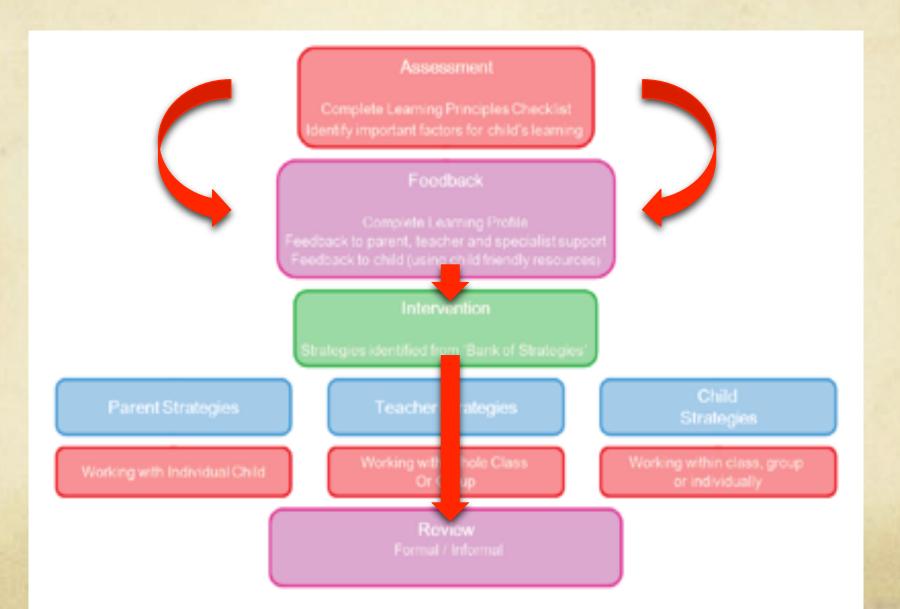












A collaborative approach

- O Educational psychologist, SLT, teacher, SENCO, CSW, parent, child, researcher
- Agreeing on which Learning Principles to target (cognitive & emotional) and how to target them
- O Use of DA to bring about change in these principles
 - In what ways can the assessor/mediator enable change in the child's approach to learning?

Deaf children's online reading

(Mann, O'Neill & Thompson, ongoing)



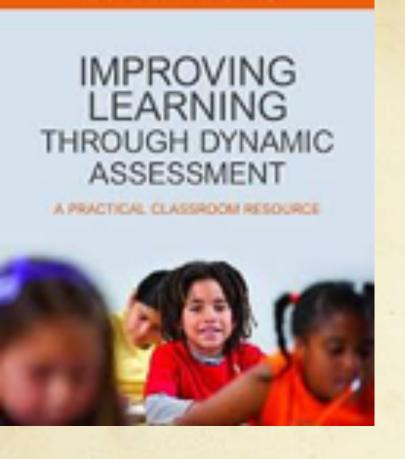
- Exploring strategies used by deaf and hearing secondary students when reading online/carrying out searches on the internet
- Focus on good readers
- O Extend to students with varying literacy levels

http://www.ssc.education.ed.ac.uk/research/onlinereading/









Thank you!

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