

Topical Outline

- 10 Reasons to Adopt a PASS Paradigm
 - The Problem with Traditional IQ Testing
 - Intelligence Conceptualized by Brain Functioning: PASS Theory
 - PASS and Reading Skills
 - Introducing the Discrepancy-Consistency Method
 - Case Studies Using the DCM to Identify SLD for Reading Disabilities and Dyslexia

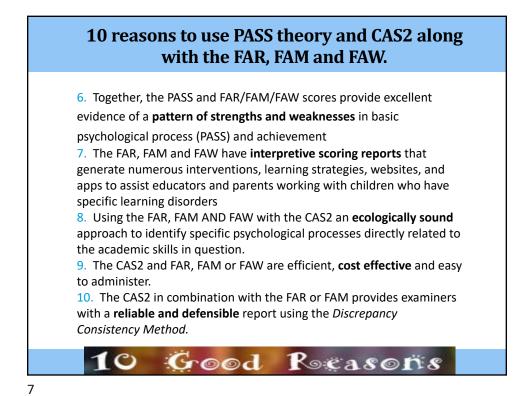
10 reasons to use PASS theory and CAS2 along with the FAR, FAM and FAW.

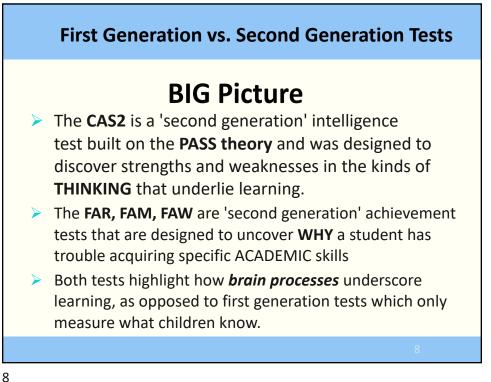
- 1. The PASS scales on the CAS2 measure *thinking* (i.e. basic psychological processing) rather than *knowing* (e.g., vocabulary, arithmetic word problems), making the test good for assessment of diverse populations and those with limited educational opportunity.
- PASS scores can be easily obtained in 40 minutes (using the 8-subtest Core Battery) or 60 minutes (using the 12-subtest Extended Battery) and scoring and narrative reports are easily obtained using online score and report program.
- PASS results are easy for teachers, parents and the students themselves to understand because the concepts can be explained in non-technical language.
- 4. The PASS theory and the CAS2 provide a way to both define and assess basic psychological processes so that practitioners can obtain scores that are consistent with **state guidelines.**

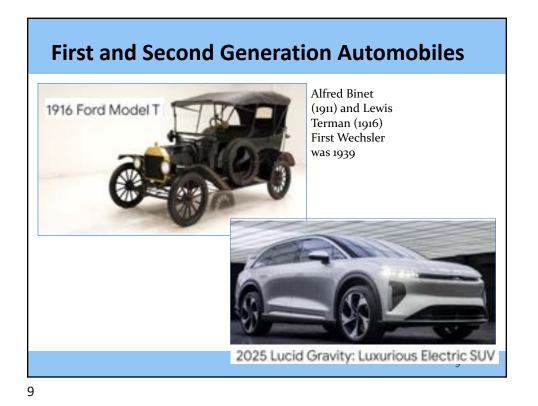
Good Recasons

5. The PASS scores are strongly correlated to achievement, show distinct patterns of strengths and weaknesses for **diverse populations**.

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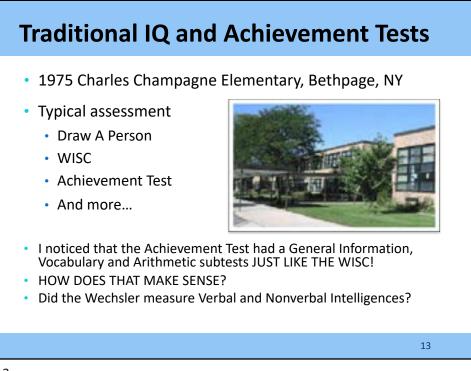




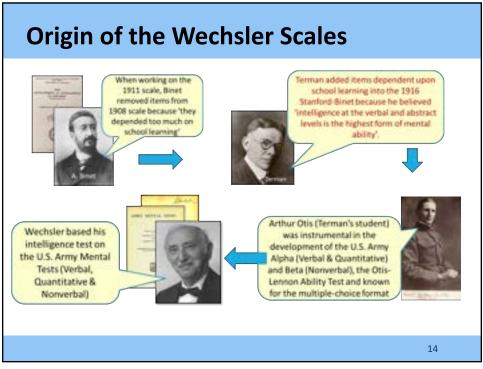
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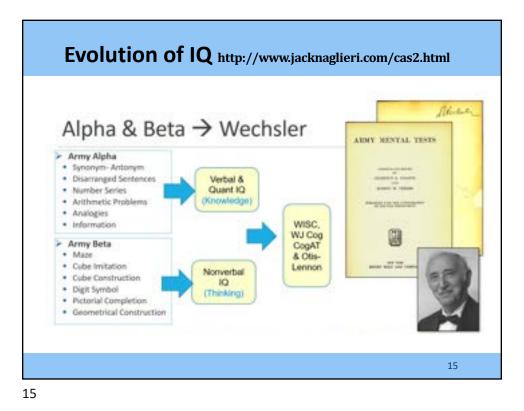
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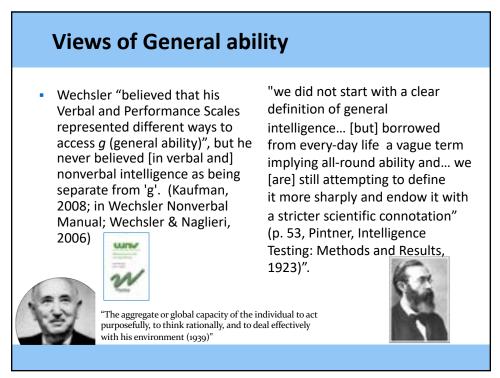
<u>Presenting Concerns:</u> Academic Issues with Reading and Anxiety				
WISCV Scales	COMPOSITE SCORE	RANGE	PERCENTILE RANK	
Verbal Comprehension Index	98	Average	45%	
Visual Spatial Index	94	Average	34%	We will
Fluid Reasoning Index	88	Below Average	21%	 show you a VERY different picture of
Working Memory Index	78	Low	7%	
Processing Speed Index	76	Low	6%	
FULL SCALE SCORE	86	Below Average	18%	Paul
WIAT IV Reading	80	Below Average	9%	
WIAT IV Math	87	Below Average	19%	
WIAT IV Writing	94	Average	34%	

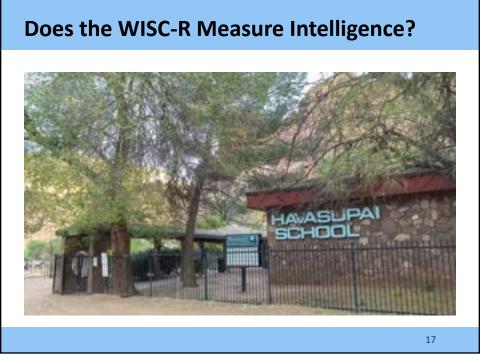


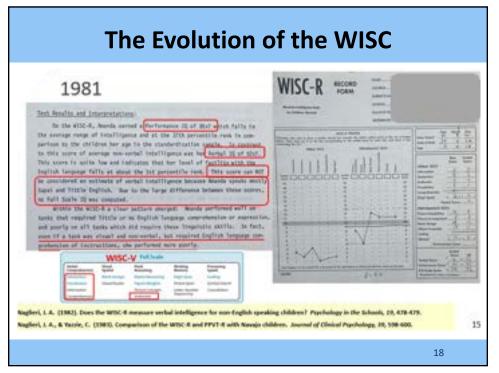




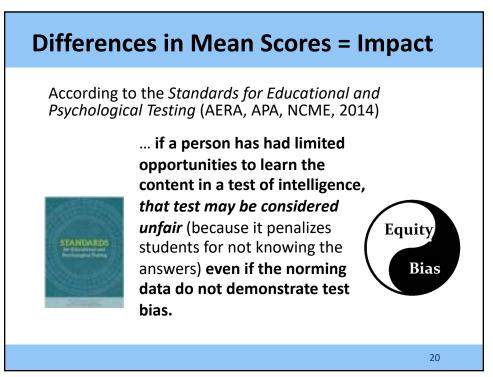




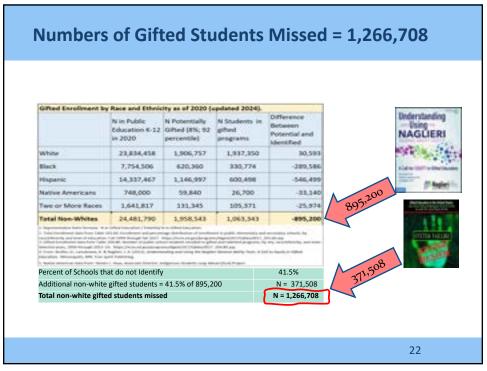




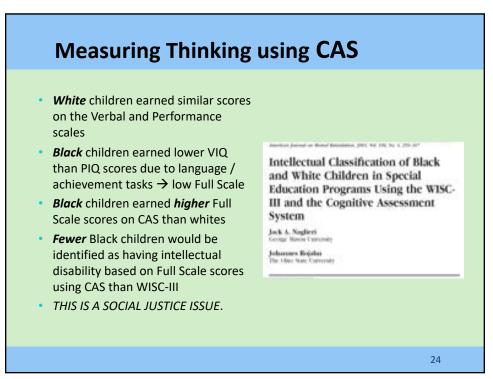
Knov	wledge i	s Include	ed in "A	bility" 1	fests
Stanford- Binet-5	WISC-V	W0-IV	KABC-II	OLSAT	CogAT
Verbal Knowledge Cuantitative Reasoning Vocabulary Verbal Analogies	Verbal Comprehension Vocabulang, Similarities, Information & Comprehension Fluid Reasoning Figure Weights, Arithmetic	Comprehension Knowledge: Vocabulary & General Information Fluid Reasoning: Number Series & Concept Formation Additory Processing Phonological Processing	Knowledge / GC Riddles, Expressive Vocabulary, Verbal Knowledge	Verbal Following directions Verbal Reasoning Ouantitative Verbal Arithmetic Reasoning	Verbal Scale Analogies Analogies Sentance Completion Verbal Classification Quantitative 45 pages of oral instructions



Race and Ethnic Differences for Ability Tests that Demand Knowledge and those that require minimal		Race and Ethnic Standard Score Differences Across Intelligence Tests	By Rece	By Ethnicity
		Tests that require knowledge	Mn = 11.5	Mn=9.2
		Otis-Lennon School Ability Test (distric wide)	13.6	
		Stanford-Binet IV (normative sample)	12.6	1
		WISC-V (normative sample)	11.6	
		W3+III (normative sample)	10.9	10.7
		CogAT7 (Norverbal scale)	11.8	7.6
		WISC-V (statistical controls normative sample)	8.7	
Knowledge	1	Tests that require minimal knowledge	Mis x 4.1	Mn = 2.6
Understanding	8-ABC (normative sample)	7.0		
	1	K ABC (matched samples)	6.1	10000
		CAS-2 (normative sample)	6.3	4.5
		CAS (statistical controls normative sample)	4.8	4.8
NAGLIERI	NAMES OF TAXABLE PARTY.	CAS-2 (statistical controls normative sample)	4.3	1.8
AND AND	Righert, 1 A (2022). Understanding	CHS-2 Brief (normative samples)	2.0	2.8
	Tests: A Call to Daulty to Gillert	NNAT (matched samples)	4.2	2.8
6 Call for 1987 to Diffed Education	Education, Minoragolia, Mill free April Publishing	Naglieri General Ability Test Verbai	2.2	1.6
State of Concession, Name		Naglieri General Ability Test-Nerverbal	1.0	1.1
(17 Region) De	Naglieri General Ability Test-Quantitative	3.2	1.5	









The Case of Paul	
 Why do we measure intelligence this way? Why does the WISCV have these scales? Do the scales and subtests have enough specific variance to be interpreted? 	 TRADITION ! Marketing NO !
 Does the WISCV measure 'basic psychological processes' - a key part of the definition of a SLD in IDEA 	• NO !
 Which scores on the various editions of Wechsler's test have the most validity and interpretability? 	 ONLY THE FULL SCALE
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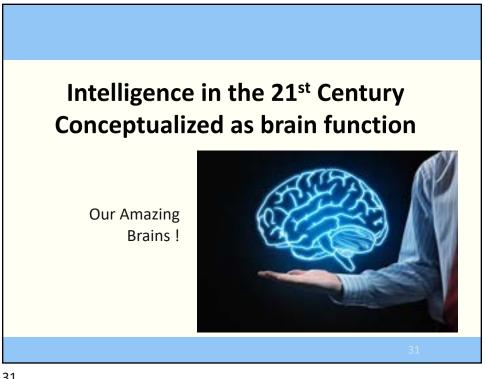




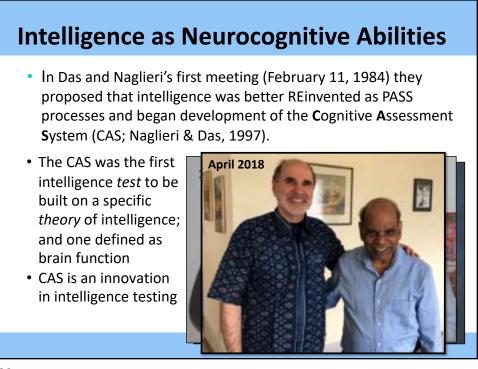


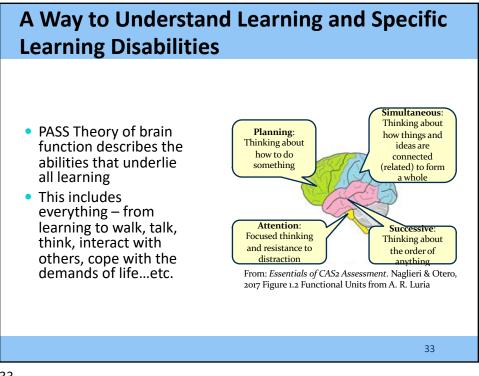
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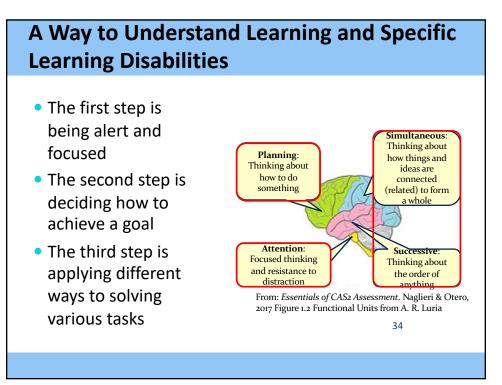


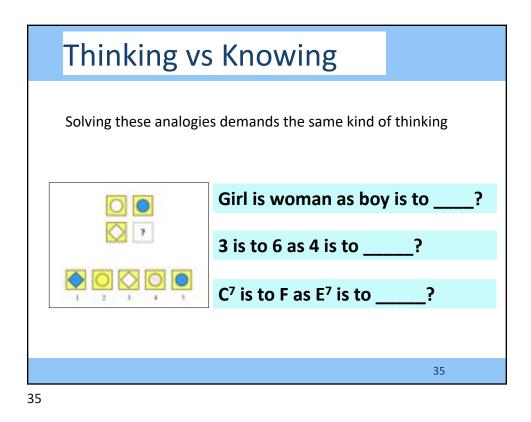


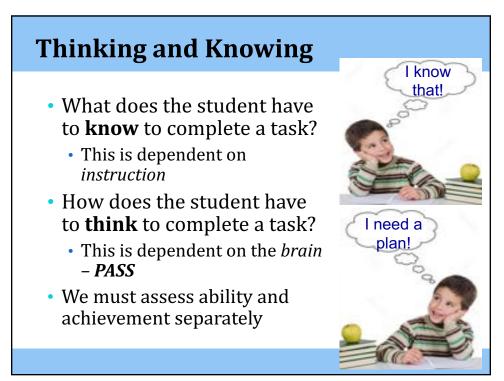


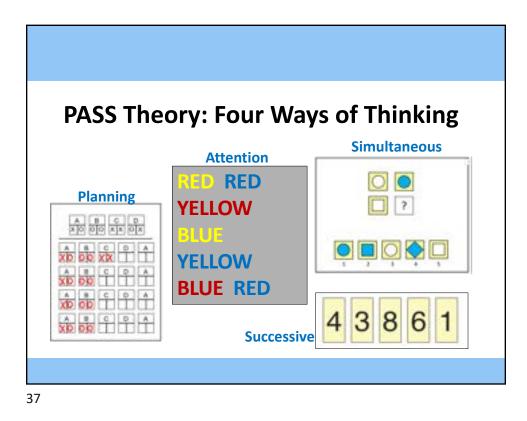


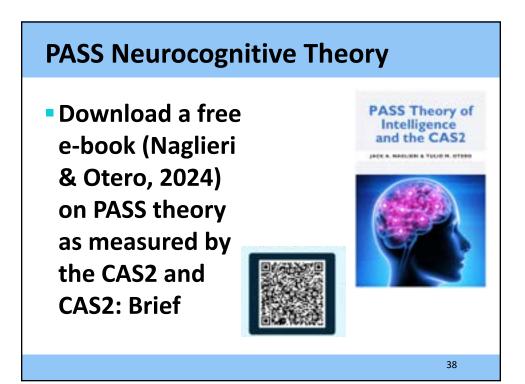


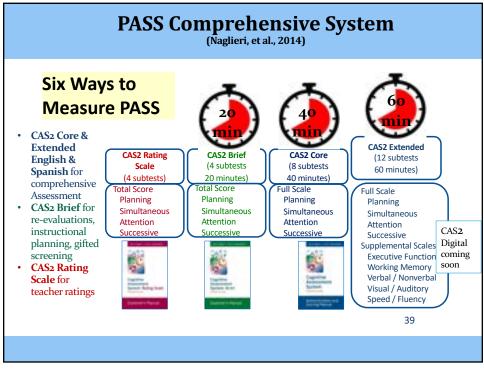






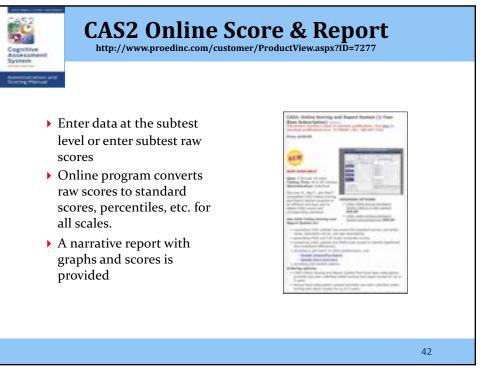


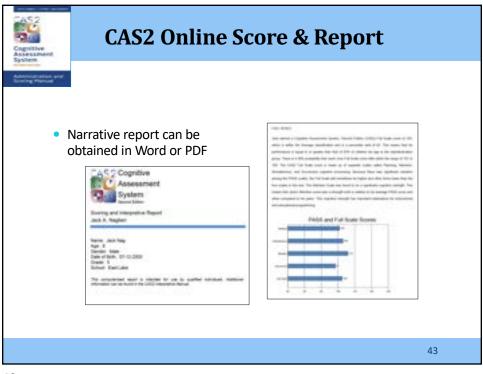


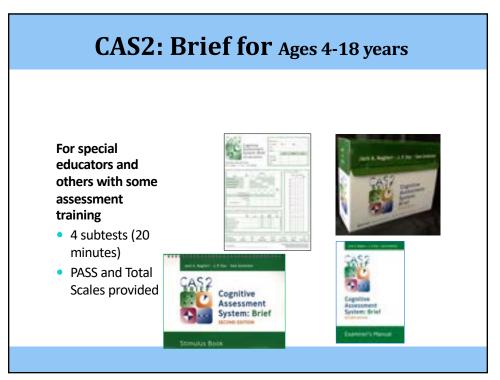


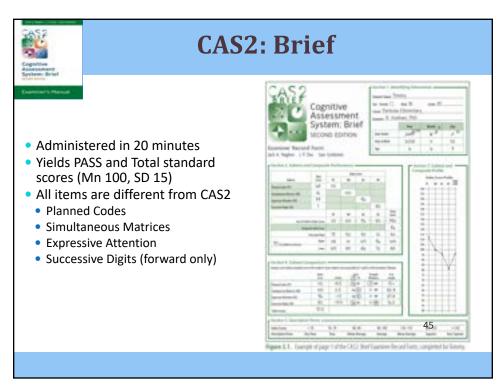
	CAS2 Rating Scale	CAS2	CAS2 Brief
	thinks before acting, creates	Planned Codes	Planned Codes
Planning	plans, uses strategies to achieve a goal.	Planned Connections	
		Planned Number Matching	1
t	can focus attention to one thing at at time and resists distractions.	Expressive Attention	Expressive Attention
		Number Detection	
		Receptive Attention	
	and a second sec	Matrices	Simultaneous Matrices
		Verbal-Spatial Relations	
Simultaneous	see the big picture.	Figure Memory	
	works with numbers, words or ideas that are arranged in a specific series.	Word series	Successive Digits
Successive		Sentence Repetition/Questions	
		Visual Digit Span	

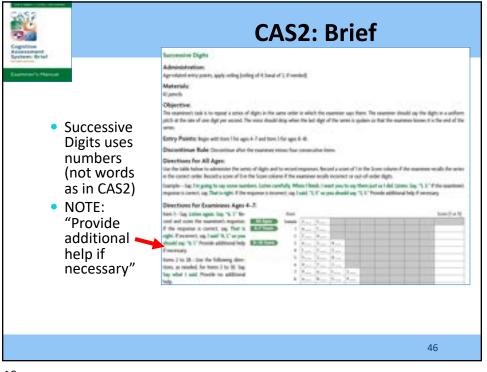


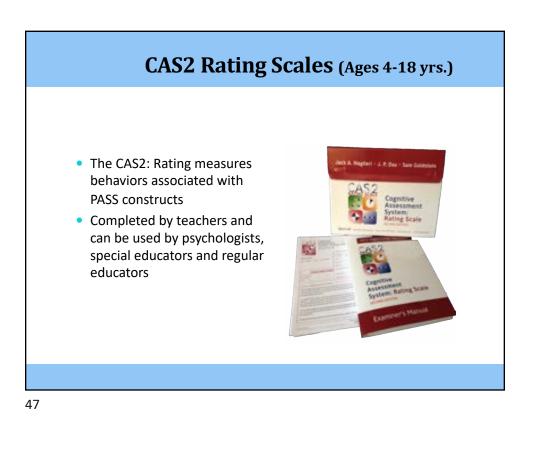


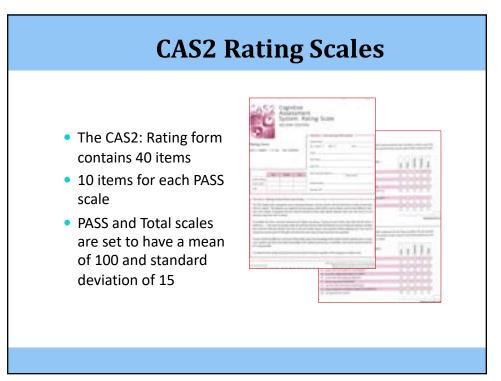


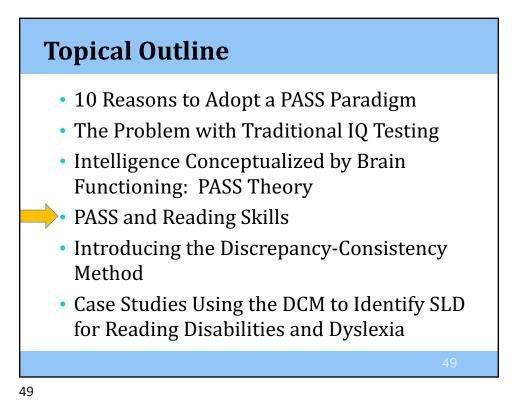


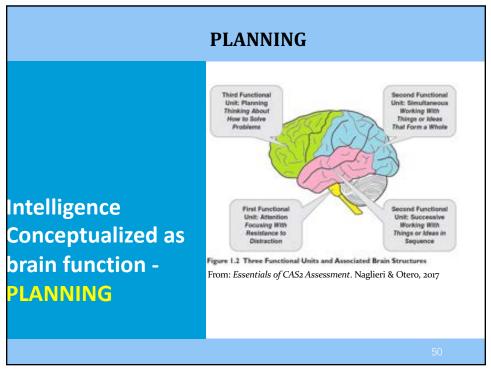








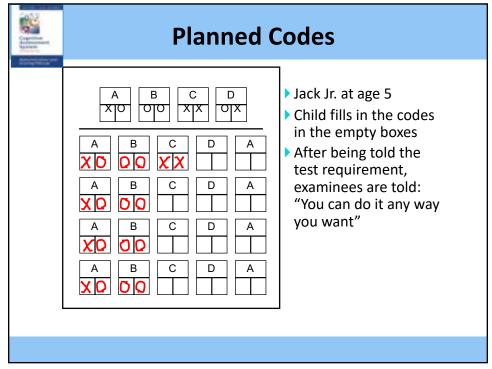


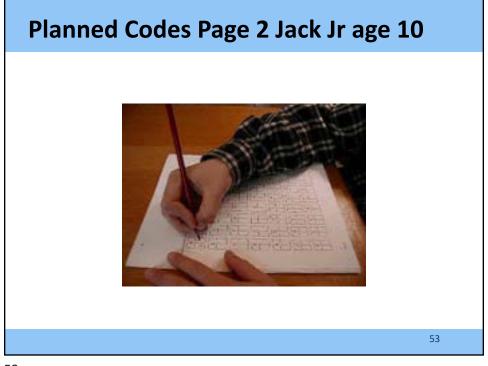


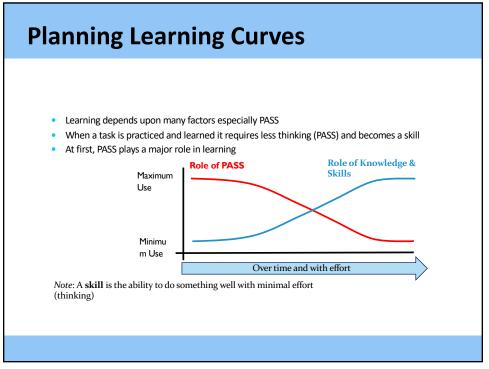
PASS Theory: Planning

- Planning is a term used to describe a neurocognitive function similar to metacognition and executive function
- Planning is needed for setting goals, making decisions, predicting the outcome of one's own and others actions, impulse control, strategy use and retrieval of knowledge
- Planning helps us make decisions about how to solve any kind of a problem from academics to social situations and life in general
- Math calculation, written expression, social contexts, life success

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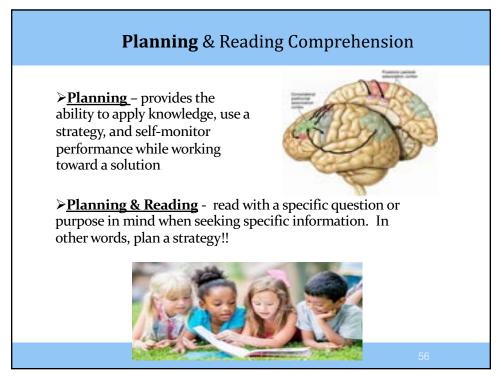


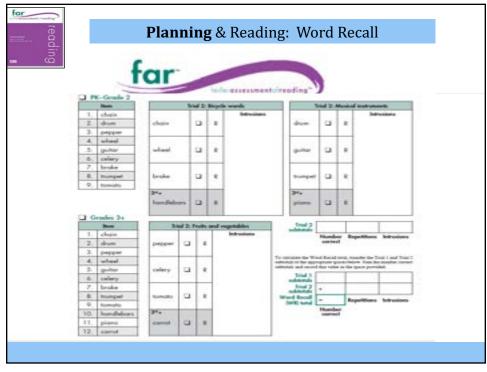


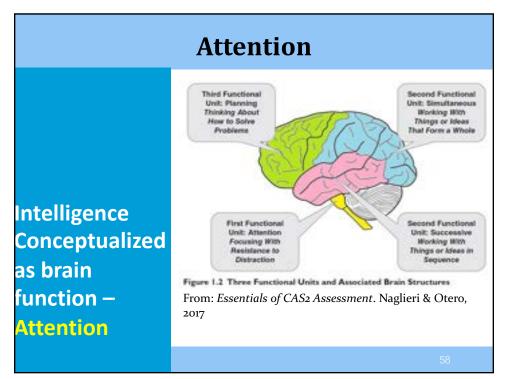
Planning (EF) and Skills

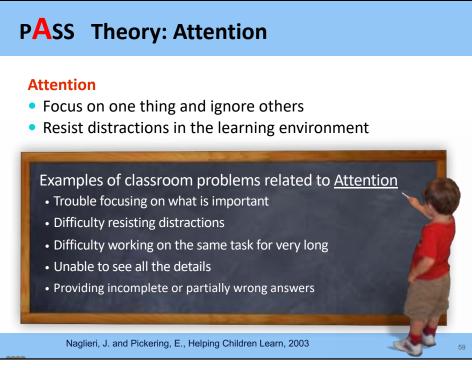
- Given that Planning (EF) demands intentionality, that means that planning processing is something that occurs over time and with effort.
- Skills are things we do with very little thinking. Automatic actions do not afford the time for thinking (planning) but rather immediate responding.
- Therefore, Planning and EF should not be described as 'skills'
- Your thoughts?

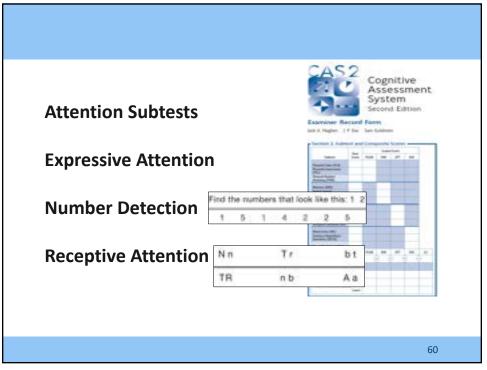
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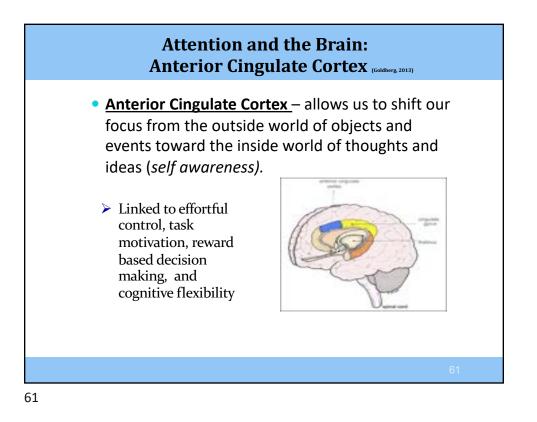


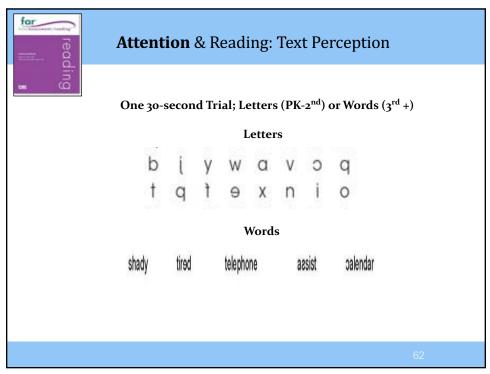


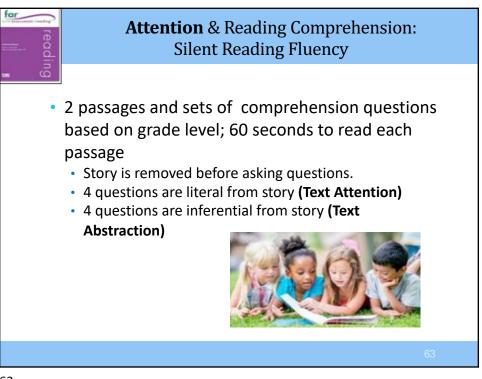


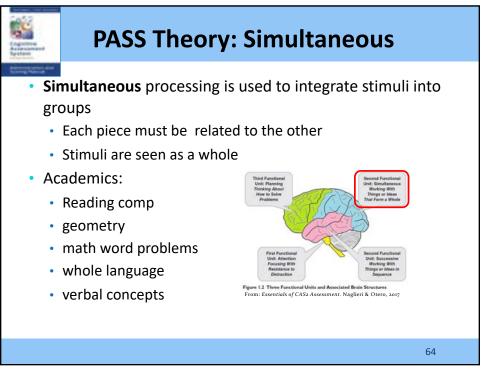


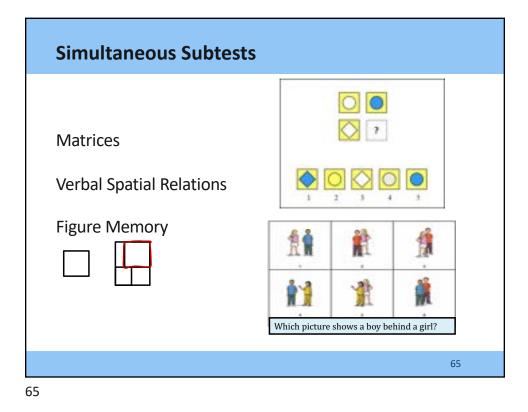


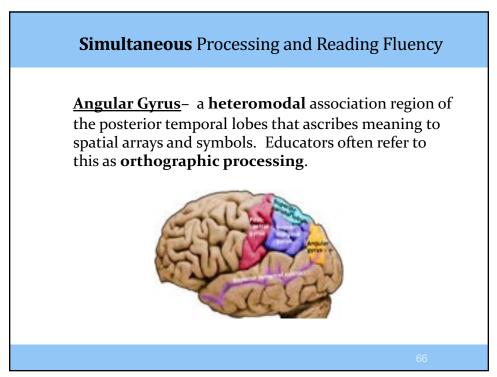


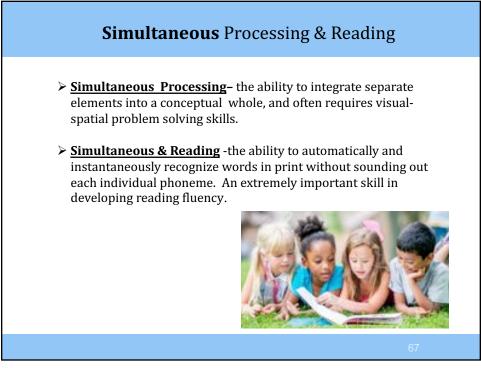


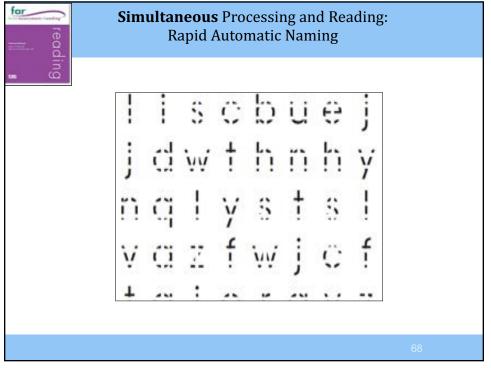




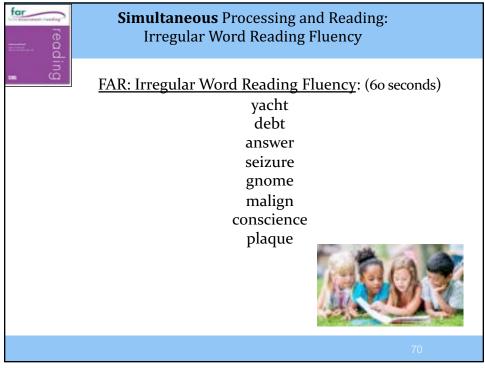


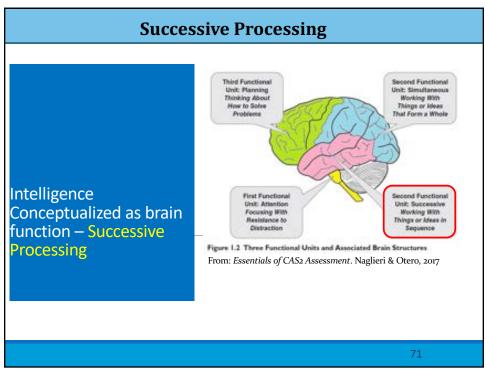


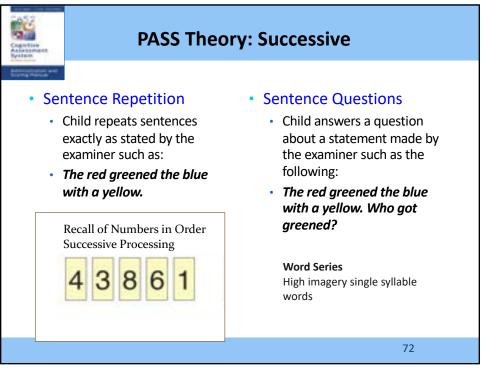


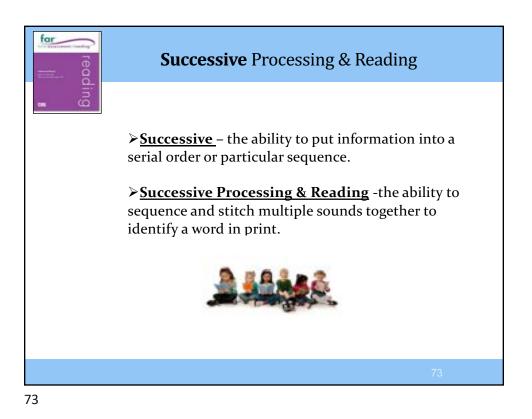


Simultaneou	is Processing and Orthography
s gni	
Or	thographical Processing
	udent chooses which letters beared in presented word
Initial Presentation for 1 sec	Response Options
epiphany	eph phi pip iny
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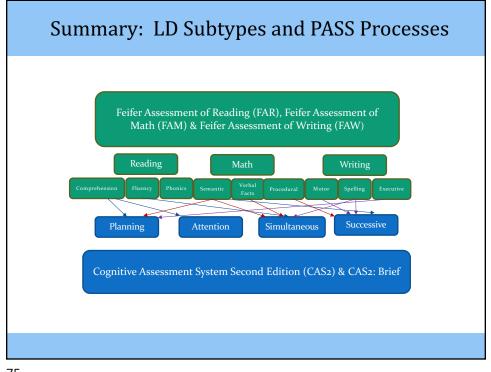


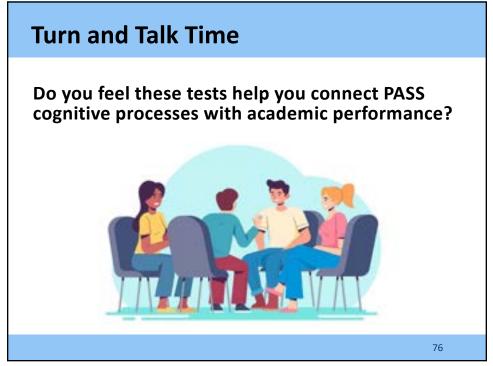


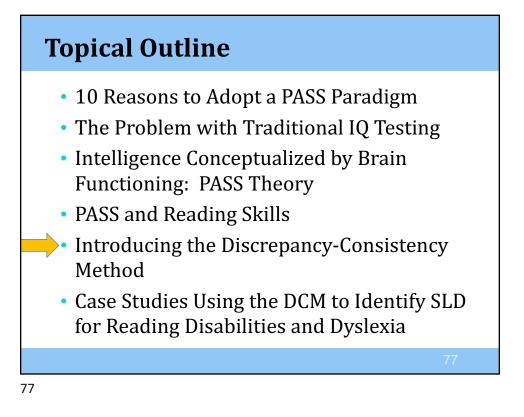


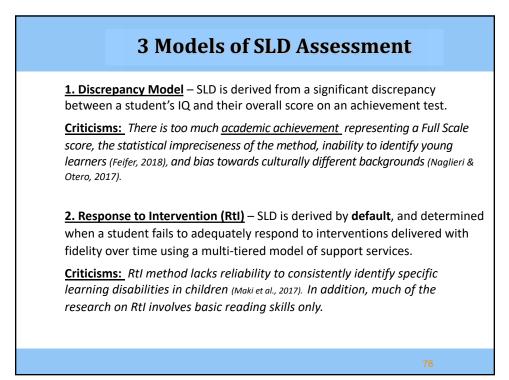


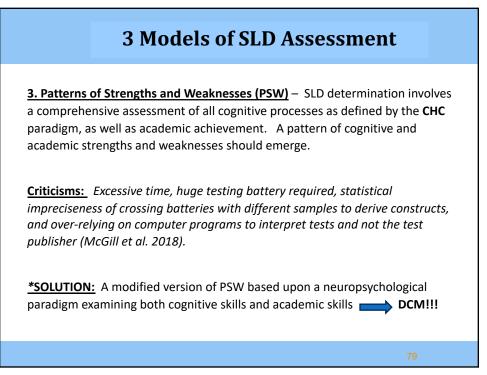
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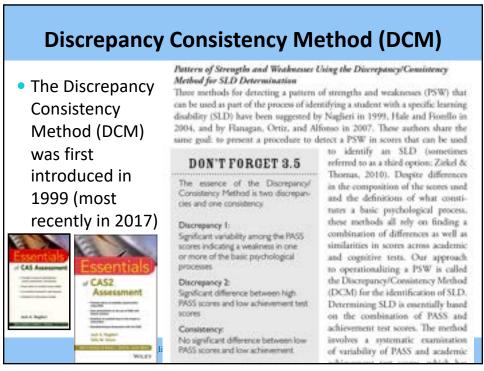


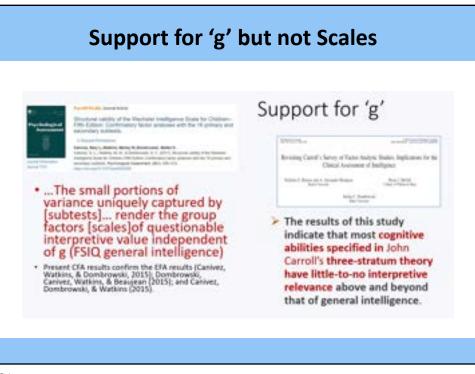




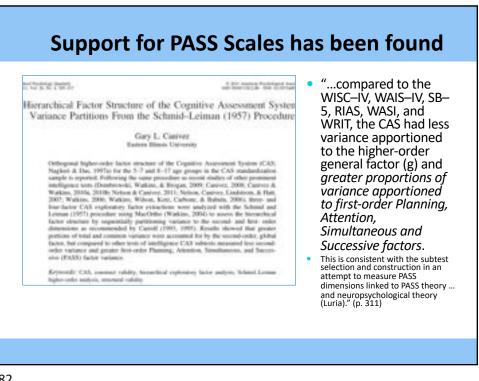


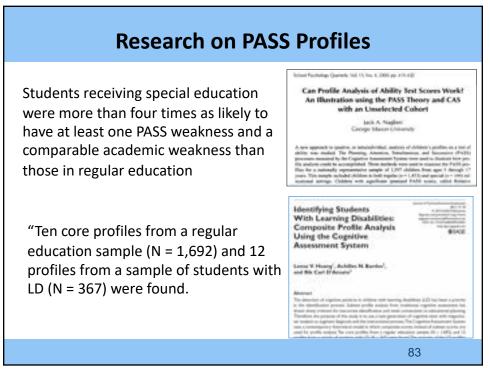


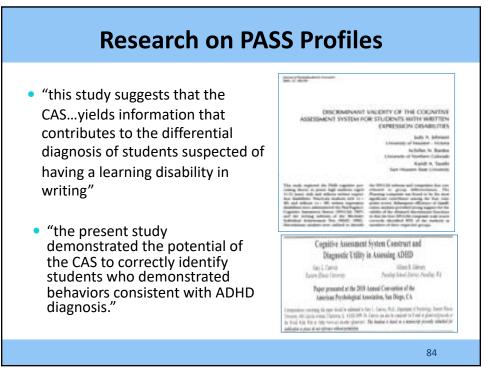




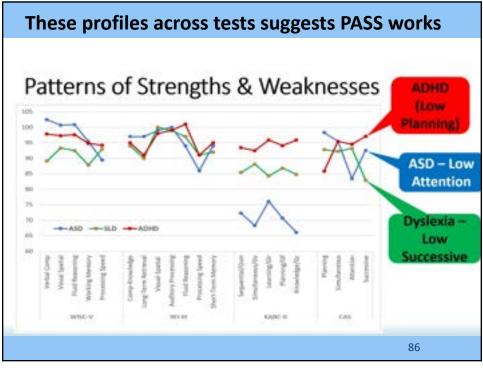


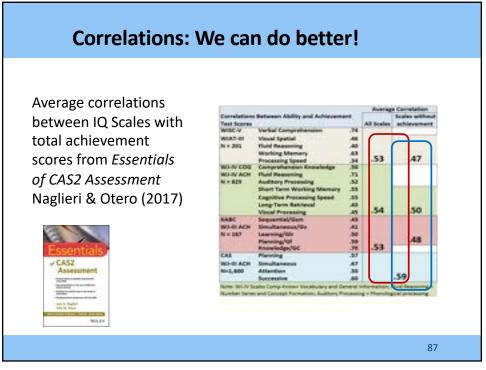


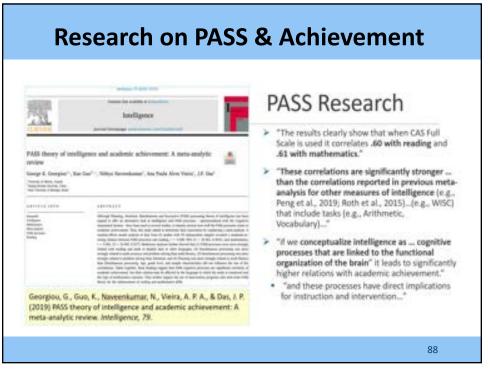


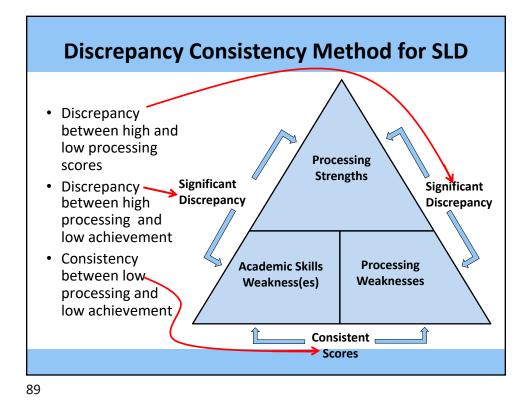


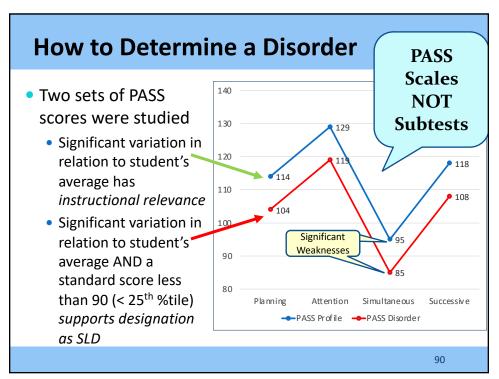


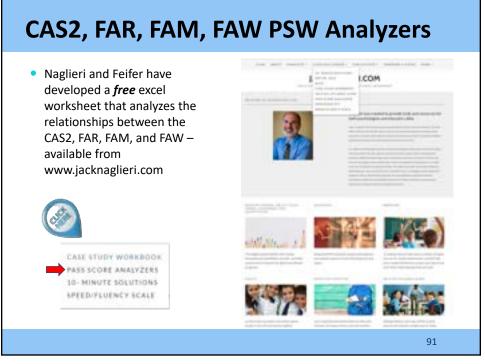


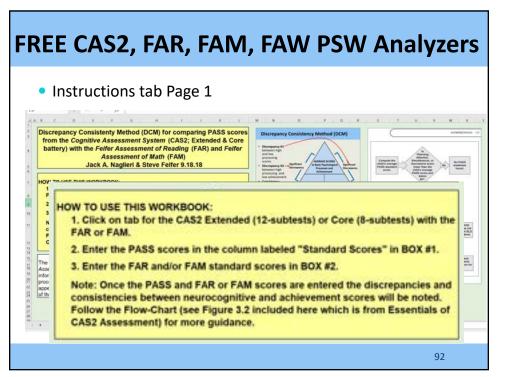


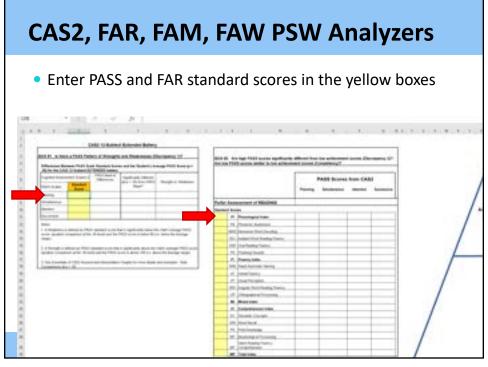


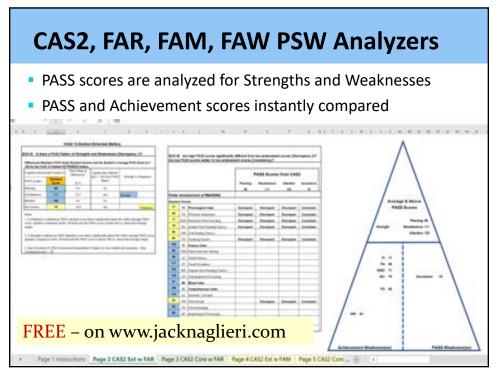






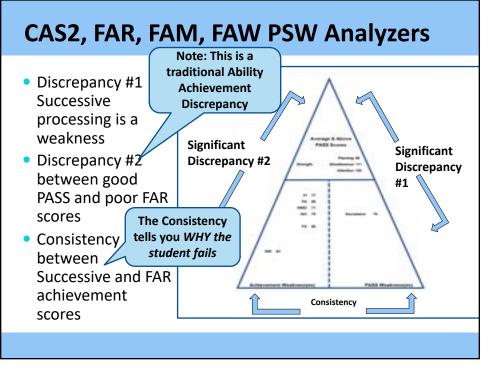


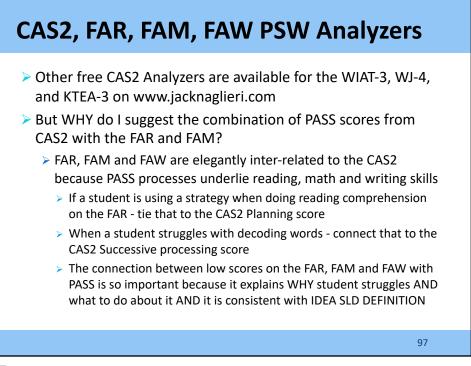


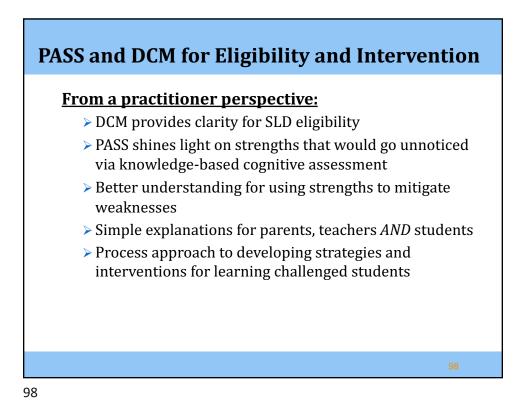


Correspondence of FAR and PASS	Planning	Attention	Elmultaneous	Successiv
Phonesis American - missures myrning, blending, segmenting, and manipulating sounds				1
Peaktioning Bounds - a phonemic localization task determining sound positions.				
Nonserve Word Decoding - Site student decodes a series of nerveense words.				
Included Word Reading Fluency - The student heads a list of woods in 60 seconds.			x	х
Onal Reading Fluency - the studient reads a parsage composed of the same words as the bolated Woot Reading, Fluency task.			x	*
Rapid Automatic Running - the student names either objects. Inters, or stencils.			х.	
Viewal Parcaptum - the studient clandifies letters or words proded backwards from an array			x	
Verbal Fluency - the shaderd retrieves words from a category, or terms that start with a teller.				
Orthographic Processing - the student recalls a letter, or group of where, from a target word.			х.	
Integrater Wand Reading Fluency - The student reads a lot of plannologically integrate words.			1	
Senantic Concepts - the student identifies the correct antonym or synonym of a barget word			1 C	
Went Receil - The student repeats back a lat of words over two visio.				
Murphological Processing - the student selects the correct prefix, suffix, or stem that completes a larget word.				х.
Silent Reading Fluency - the student answers questions after reading a parsage silently.			×	
	y express to sect	stuters. The table at	ove is a starting port, an C also have a prester ref	d should be use



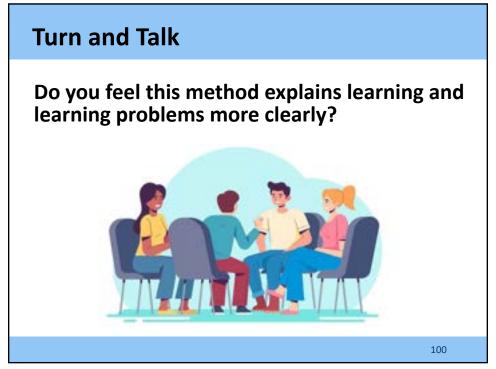


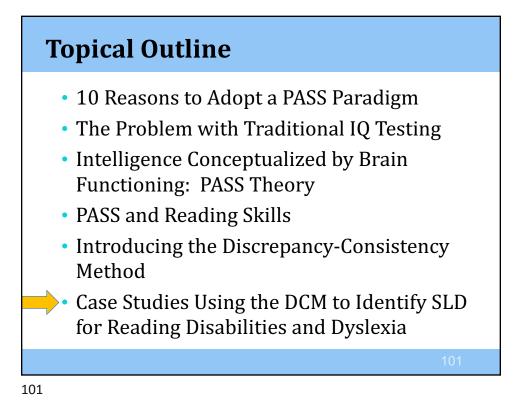


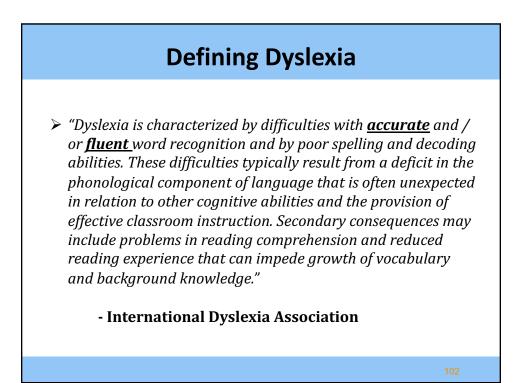


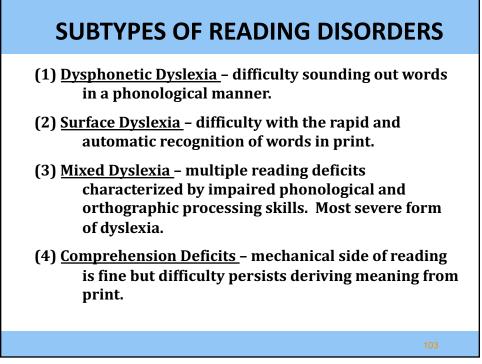


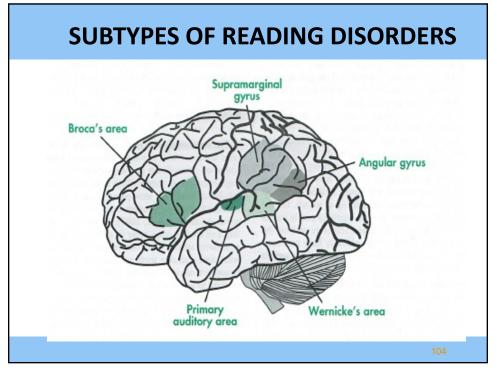
- Neither the IQ/achievement discrepancy model nor RTI evaluates basic psychology processes
- CAS2 is ideal for meeting the IDEA definition of SLD "... a disorder in 1 or more of the basic psychological processes ... [that results] in the imperfect ability to listen, think, speak, read, write, spell, or do mathematical calculations."
- Evidence of a PASS weakness and its connection to academic weakness is the key to identifying SLD
- Establishing a disorder in the basic psychology processes is essential for determining SLD
- Use an equitable test explicitly developed to measure basic psychological processes
- > The intelligence and achievement tests should explain learning

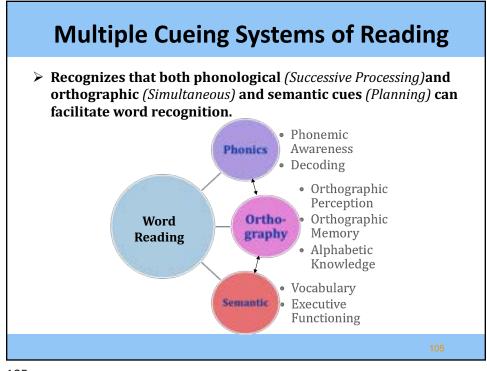


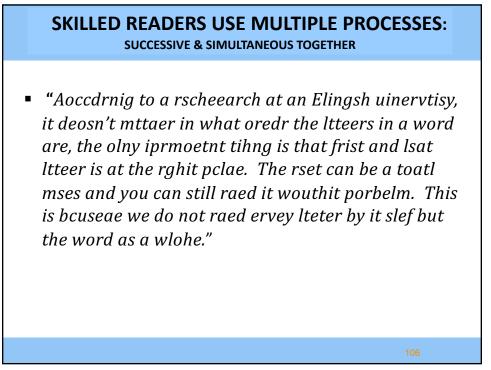










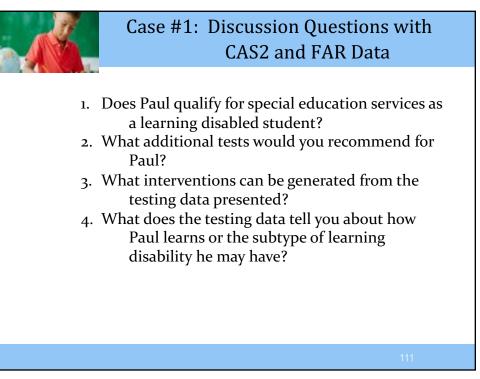


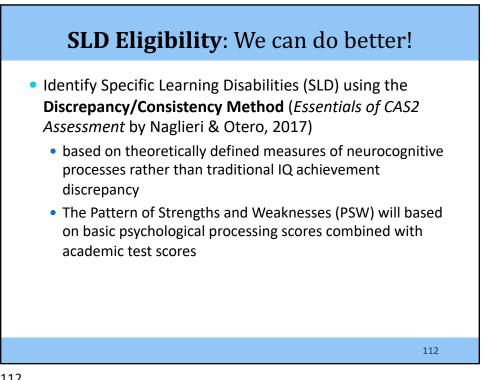
Reading Subtype	Description	PASS Process
Dysphonetic Dyslexia	Measures a student's ability to stitch together sequences of sounds to identify words in print. Dependent upon phonemic awareness and decoding skills.	Successive
Surface Dyslexia	Measures a student's ability to rapidly and automatically identify words in print. Dependent upon orthographic perception and orthographic memory skills.	Simultaneous and Successiv
Mixed Dyslexia	Measures a student's ability to use both phonological and orthographical cues to accurately and fluently identify words in print.	Simultaneous and Successiv
Reading Comprehension	Measures a student's ability to answer decipher meaning from print.	Planning Attention Simultaneous

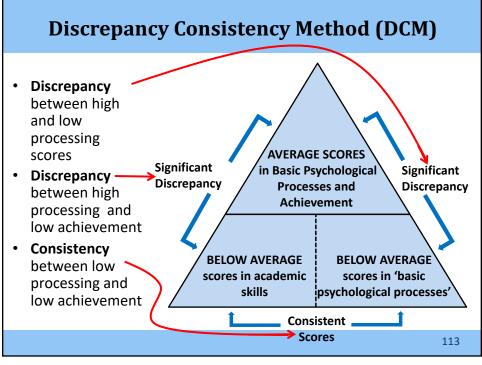
Presenting Concerns:		ding & Anxiet sues with Read	.y ling and Anxie
WISCV Scales	COMPOSITE SCORE	RANGE	PERCENTILE RANK
Verbal Comprehension Index	98	Average	45%
Visual Spatial Index	94	Average	34%
Fluid Reasoning Index	88	Below Average	21%
Working Memory Index	78	Low	7%
Processing Speed Index	76	Low	6%
FULL SCALE SCORE	86	Below Average	18%
WIAT IV Reading	80	Below Average	9%
WIAT IV Math	87	Below Average	19%
WIAT IV Writing	94	Average	34%
WIAT IV Math	87	Below Average	19%

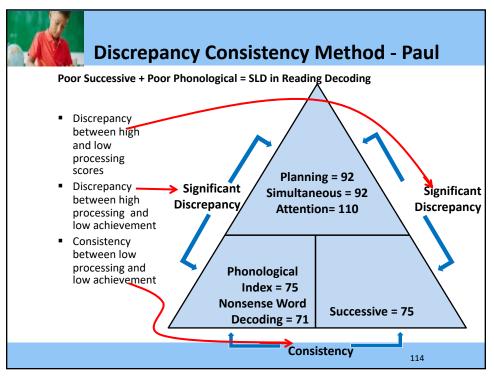
N	1 A A			Reading &	Anxiet	у
		CAS-2			'ANDARD SCORE	Classification
Pl	anning				92	Average
Si	nultaneous				92	Average
At	tention				110	Average
Su	ccessive				75	Very Low
Fu		reported een PASS Scale Stand ie CAS2 12-Subtest D			e PASS Scor	e Required for
Fu	Differences Between Significance for the	een PASS Scale Stand		Significantly		e Required for th or Weakness
l	Differences Between Significance for the	een PASS Scale Stand ie CAS2 12-Subtest E	Difference from	Significantly		
YEARS	Differences Betwe Significance for th Cognitive Asses	een PASS Scale Stand e CAS2 12-Subtest E isment System - 2	Difference from PASS Mean of:	Significantly Different (at		
YEARS	Differences Betwo Significance for th Cognitive Asses PASS Scales	een PASS Scale Stand ee CAS2 12-Subtext E isment System - 2 Standard Score	Difference from PASS Mean of: 92.3	Significantly Different (at p < .05) from		
l	Differences Betwo Significance for th Cognitive Asses PASS Scales Planning	een PASS Scale Stand ee CAS2 12-Subtest E isment System - 2 Standard Score 92	Difference from PASS Mean of: 92.3 -0.3	Significantly Different (at p < .05) from no		

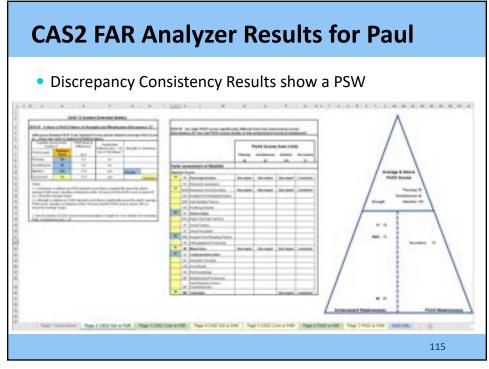
	Reading	, & Anxie	ty	
FAR index	Standard score (95% CI)	Percent	ile	Qualitative descriptor
Phonological Index	75	5%	Mode	erately Below Aver
Fluency Index	92	30%		Average
Mixed Index	81	10%		Below Average
Comprehension Index	97	42%		Average
FAR Total Index	84	14%		Below Average
KEY INTERPRETATION		Score	Percentil e	Descriptor
increasing difficulty .	e words presented in order		3%	Moderately Belo Average
	F luency – the student reads ilar words arranged in order econds.		37%	Average



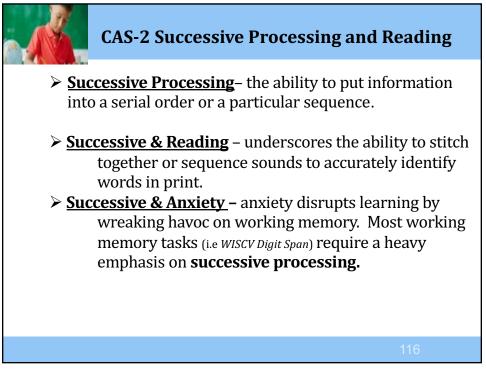


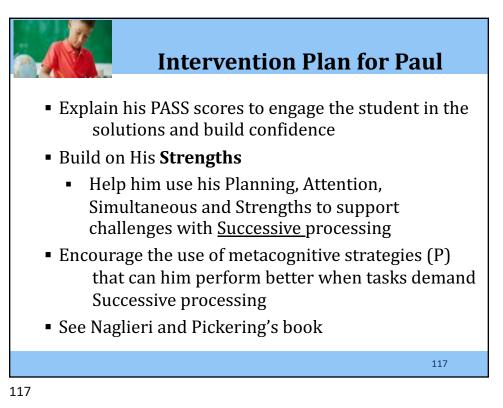












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FAR INTERPRETIVE REPORT WRITER

Fundations	FAR INTERPRETIVE REPORT WRITER: Targeted Reading Programs
Alphabetic Phonics	A multisensory phonological approach to reading that is an extension of the traditional Orton-Gillingham model. There are 11 fast-paced activities embedded within each lesson to develop automaticity with phonics skills.
Read Well	A top-down reading and language arts solution that emphasizes a mixture of instruction to the class as a whole, smaller groups, and individual student practice.
Lexia Primary Reading	A self-paced computer-based program that helps students develop reading skills. The program identifies when students would benefit from additional support, and automatically notifies the teacher with individualized feedback and recommendations.
Fast Forword Language to Reading	A scientifically-based 8-12 week reading intervention that boosts students' reading levels by one or two grades. Focuses on phonemic awareness, phonics, fluency, comprehension, and vocabulary.
Voyager Time Warp Plus	A summer reading intervention that encompasses 80 hours-worth of material. Phonemic awareness, phonics and word analysis, fluency, vocabulary, and comprehension are covered thoroughly through daily practice.
System 44	Teaches foundational reading skills to students Grades 3+. This computer-based platform encourages students to think critically and interact with the text as they learn phonics and comprehension.
Academy of Reading	An intervention program that helps students with phonemic awareness, phonics, fluency, vocabulary, and comprehension. This online program Includes real-time reading assessments and progress monitoring.
Words Their Way	A developmental spelling, phonics, and vocabulary program with numerous activities geared toward developing orthographic knowledge. Sorting, constructing a word wall, and creating a word study notebook are essential components of the program.

Case #	2: Nelson 6	th grade: Rea	ading Fluency
WISCV Domains	COMPOSITE SCORE	RANGE	PERCENTILE RANK
Verbal Comprehension Index	103	Average	58%
Visual Spatial Index	84	Below Average	14%
Fluid Reasoning Index	79	Very Low	8%
Working Memory Index	91	Average	27%
Processing Speed Index	82	Below Average	12%
FULL SCALE SCORE	81	Below Average	10%
WIAT IV Reading	80	Below Average	9%
WIAT IV Math	90	Average	25%
WIAT IV Writing	86	Below Average	18%
	-		120

CAS-2	COMPOSITE SCORE	RANGE	PERCENTII RANK
Planning: the ability to apply a strategy, and self- monitor and self- correct performance while working toward a solution.	94	Average	35%
Attention: the ability to selectively focus on a stimulus while inhibiting responses from competing stimuli.	98	Average	45%
Simultaneous Processing- is the ability to reason and problem solve by integrating separate elements into a conceptual whole, and often requires strong visual-spatial problem solving skills.	74	Very Low	4%
Successive Processing- is the ability to put information into a serial order or particular sequence.	90	Average	25%
CAS-2 COMPOSITE SCORE	89	Below Average	23%

FAR index	Standard score (95% CI)	Percentile	Qualitative descriptor
Phonological Index	90 (+/-5)	25%	Average
Fluency Index	73 (+/-7)	3%	Moderately Below Average
Mixed Index	81 (+/-5)	10%	Below Average
Comprehension Index	97 (±8)	42%	Average
FAR Total Index	84 (±5)	14%	Below Average

KEY INTERPRETATION	Score	Per	rcentile	Descriptor
Isolated Word Reading Fluency – the student reads a list of phonologically regular words arranged in order of increasing difficulty in 60 seconds.	86		18%	Below Average
Irregular Word Reading Fluency – the student reads a list of phonologically irregular words arranged in	71		3%	Moderately Below Average
order of increasing difficulty in 60 seconds.				
Nelson can apply decoding skills to fa effective strategy when reading phonol				
➢Nelson can apply decoding skills to fa		lly i		ar words.
Nelson can apply decoding skills to fa effective strategy when reading phonol	ogical	lly i re	irregul	ar words.



