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• First and S	econd Versions
MAT	 The goal was to provide efficient ways to evaluate general ability for ALL students and especially "intellectually gifted children from disadvantaged backgrounds (Naglieri, 1985, p. 3)." Two options: The MAT: Expanded Form for individual and the MAT: Short Form for group administration.
	Validity Results: 1. Males Females differences were trivial (< 1 point) on MAT:EF (452) & MAT:SF (N = 2,636) 2. Differences by Race were trivial (< 1 point) on MAT:EF (N = 110) and MAT:SF (N = 672) 3. MAT:SF correlations with reading and math achievement









Intelligence Redefined









CONCEPT OF COMMAN PERSONNEL IN THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OWNE

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Pintner

(Intelligence Testing, 1923)





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Very Similar Items on "Different" Tests	Andream An Andream Andream And
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Including Knowledge in "Ability" Tests & Equity					
Stanford- Binet-5	WISC-V	WJ-IV	KABC-II	OLSAT	CogAT
 Verbal Knowledge Quantitative Reasoning Vocabulary Verbal Analogies 	Verbal Comprehension Vocabulary, Similarities, Information & Comprehension Fluid Reasoning Figure Weights, Arithmetic	Comprehension Knowledge: Vocabulary & General Information Fluid Reasoning: Number Series & Concept Formation Auditory	 Knowledge / GC Riddles, Expressive Vocabulary, Verbal Knowledge 	Verbal Following directions Verbal Reasoning Quantitative Verbal Arithmetic Reasoning	Verbal Scale Analogies Sentence Completion Verbal Classification Quantitative 45 pages of oral instructions
		Processing: Phonological Processing			
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What is the





Can Traditional Intelligence Test of General Ability be Equitable?

How to measure 'Thinking' with minimal influence of 'Knowing'

Measure General Ability Equitably Using the Naglieri General Ability Tests: Verbai, Nonverbal and Quantitative (Naglieri, Brulles & Lansdowne, 2022)



Anaglieri General Ability Tests in Naglieri Externation of students for equitable identification of students for diverse cultural, linguistic, or socioeconomic backgrounds using the traditional Verbal, Nonverbal and Quantitative formats to the traditional Verbal, Nonverbal and Quantitative tests. Animate instructions remover the need for verbal comprehension of directions. Test questions that do not require academic knowledge. Verbal and Quantitative test questions that can be solvel using any language. A multiple-choice response removes the need for verbal expression.









Ideas to Consider	
My Journey	
Historical Context	Intelligence
Testing My Hypothesis About Intelligence Tests	- Redefined
PASS Theory and Measurement	-
Closing remarks	-

Intelligence must be measured using tests that require little knowledge

AND - we need MORE than tests of General Ability

Intelligence as Neurocognitive Functions

- In the meeting with JP Das (February 11, 1984) we proposed that intelligence was better defined as neurocognitive processes, and we began development of the Cognitive Assessment System (Naglieri & Das, 1997).
- We conceptualized intelligence as Planning, Attention, Simultaneous, and Successive (PASS) neurocognitive processes based on Luria's concepts of brain function.







PASS Provides a Common Language

• Psychologists, teachers, parents, and students can all use a common language to describe these four abilities with easy-to-understand concepts of intelligence



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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, etc

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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'

Jack A. Naglieri Math strategies stimulate thinking This work sheet Note to the Teacher: encourages the When we teach chilchild to use dren skills by helping strategies them use strategies (plans) in math and plans for learnsuch as: "If 8 + ing, we are teaching 8 = 16, then 8 + both knowledge and 9 is 17" processing. Both are important.





Behaviors about Attention	Benne G-March & Research provide a second se	
	 Construction of the second seco	















Simultaneous Processing Behaviors	and King II. A for process of the entry of a sense of target and the entry of the entry of the entry of target and the entry of the entry of the entry of the entry of the entry of the entry of the target and the entry of the entry of the forth of the entry of th	1 000000	H 104000000	(1000000m)	1 1000000441	1	2
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Successive and Syntax

Sentence Repetition

- Child repeats sentences exactly as stated by the examiner such as:
- The red greened the blue with a yellow.

Sentence Questions

- Child answers a question about a statement made by the examiner such as the following:
- The red greened the blue with a yellow. Who got greened?









