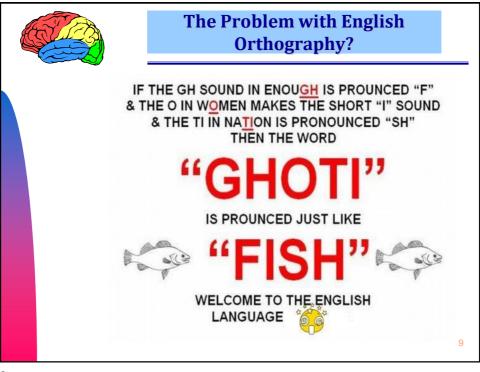
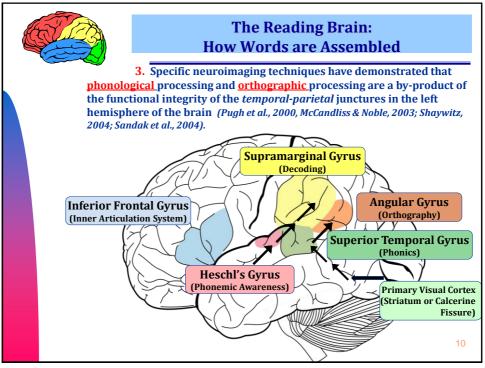
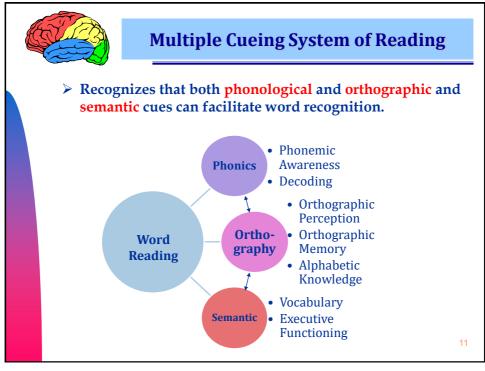


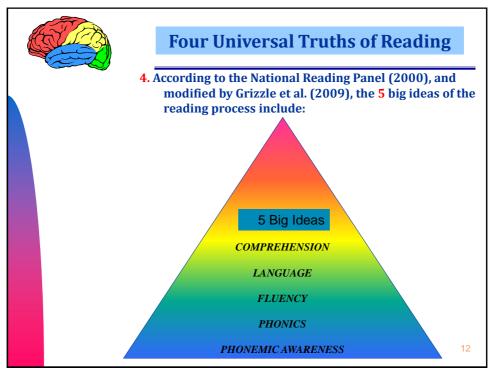
p	ith developmenta rimarily have diffi	l reading dis	udied to date, child	iren
	anipulating phon Goswami, 2007).		th recognizing and ts at all linguistic le	
	Lowest Incidence:		Highest Incidence:	
	Slovakia	1-2%	China	5-8%
	Italy	1-5%	United States	5-10%
	Czech Republic	2-3%	Russia	10%
	Britain	4%	Israel	10%
	Poland	4%	Finland	10%
	Belgium	5%	Nigeria	11%
	Greece	5%	Australia	16%
	Japan	6%	India	20%
	(Smith, Everatt, & S	alter, 2004)		7

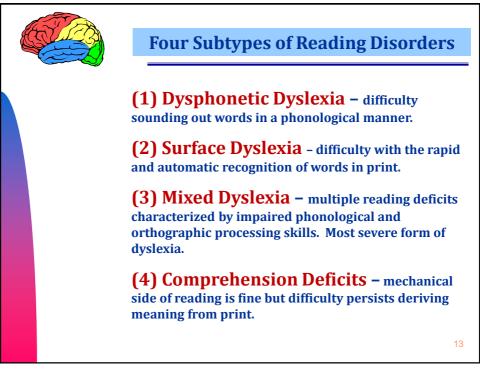
Four Universal Truths of Reading
2. The English language <u>is not</u> a purely phonological!
 1 letter grapheme: c a t. The sounds /k/ is represented by the letter 'c'. 2 letter grapheme: l ea f. The sound /ee/ is represented by by the letters 'e a'. 3 letter grapheme: n igh t. The sound /ie/ is represented by the letters 'i g h'. 4 letter grapheme: th r ough. The sound /oo/ is represented by the letters 'o ug h
 The English language includes over <u>1,100</u> ways of representing <u>44 sounds</u> using a series of different letter combinations (Uhry & Clark, 2005). In Italian there is no such ambiguity as just <u>33</u> graphemes are sufficient to represent the <u>25 phonemes</u>. Therefore, 25% of words are phonologically irregular (i.e. "debt", "yacht", "onion", etc) or have one spelling but multiple meanings -homonyms- (i.e. "tear", "bass", "wind", etc.)
Summary: We need to develop orthography!! 8



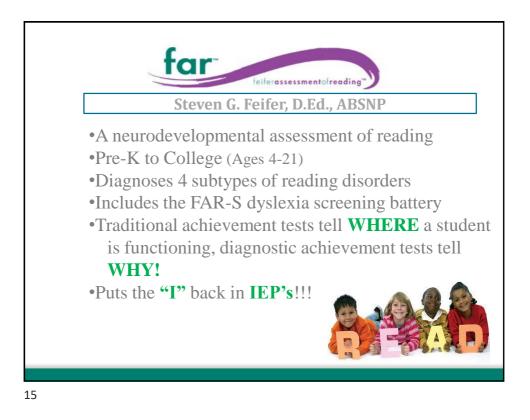






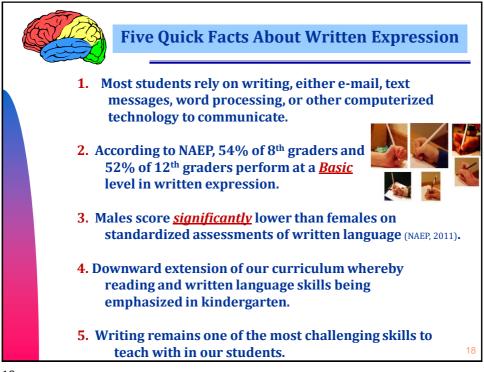


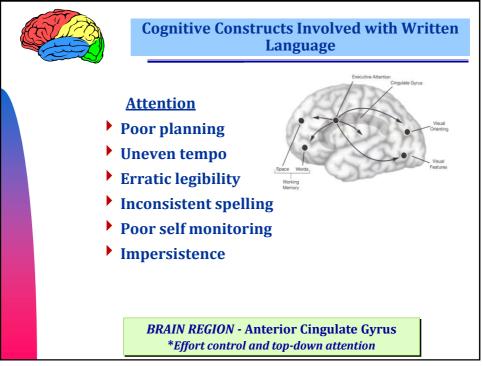


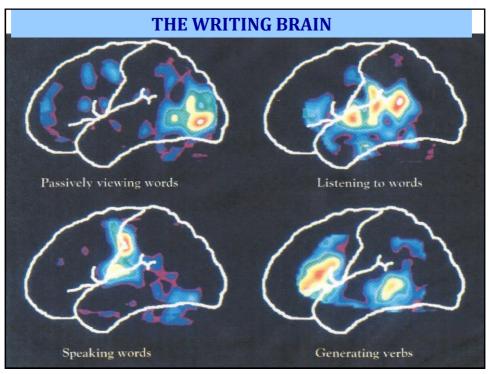


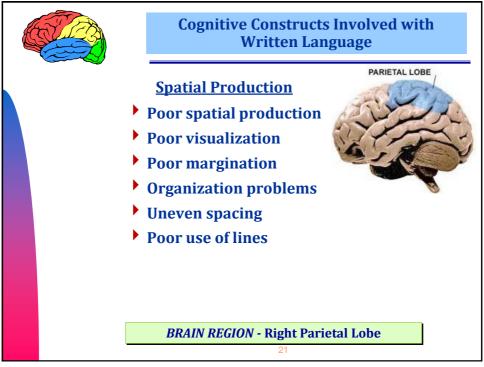
	far Structure o	assessmentofreading"	
Index	Subtest	Grade range	Approximate administration time in minutes
	Phonemic Awareness (PA)	PK to college	5 to 10
	Nonsense Word Decoding (NWD)	Grade 2 to college	2
Phonological Index (PI)	Isolated Word Reading Fluency (ISO)	K to college	1
	Oral Reading Fluency (ORF)	K to college	2 to 3
	Positioning Sounds (PS)	PK to college	3 to 4
	Rapid Automatic Naming (RAN)	PK to college	2
	Verbal Fluency (VF)	PK to college	2
Fluency Index (FI)	Visual Perception (VP)	PK to college	1
	Orthographical Processing (OP)	K to college	8
	Irregular Word Reading Fluency (IRR)	Grade 2 to college	1
Comprehension Index (CI)	Semantic Concepts (SC)	PK to college	5 to 8
	Word Recall (WR)	PK to college	4
	Print Knowledge (PK)	PK to Grade 1	4
	Morphological Processing (MP)	Grade 2 to college	7
	Silent Reading Fluency (SRF)	Grade 2 to college	8

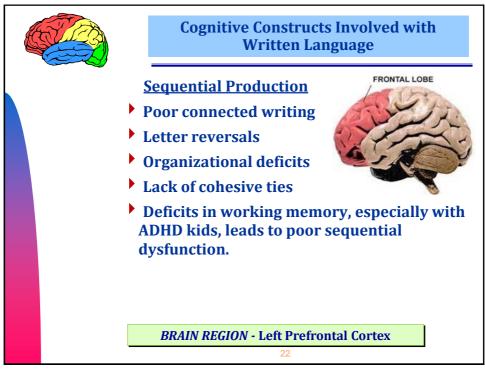
	CIT"
Fundations	FAR INTERPRETIVE REPORT WRITER: Targeted Reading Programs
Alphabetic Phonics	A multisensory phonological approach to reading that is an extension of the traditional Orton-Gillingham model. There are 11 fast-paced activities embedded within each lesson to develop automaticity with phonics 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.

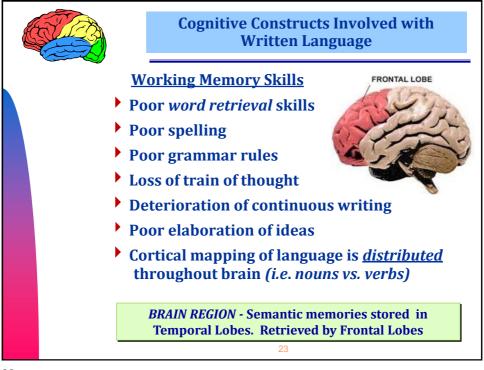


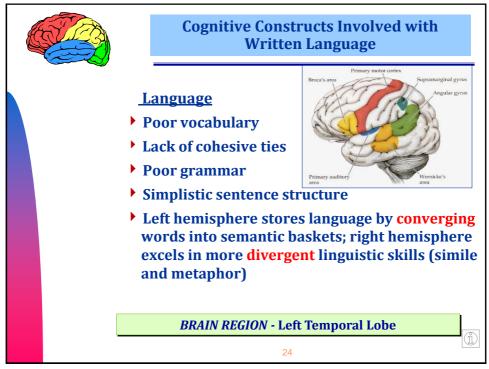


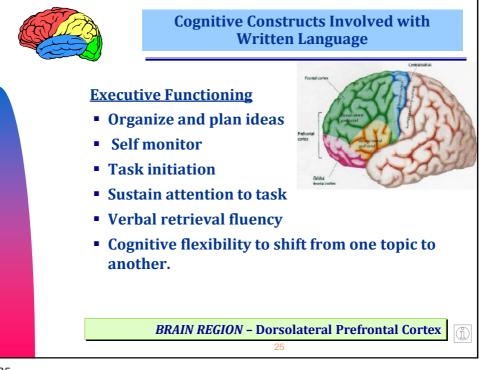


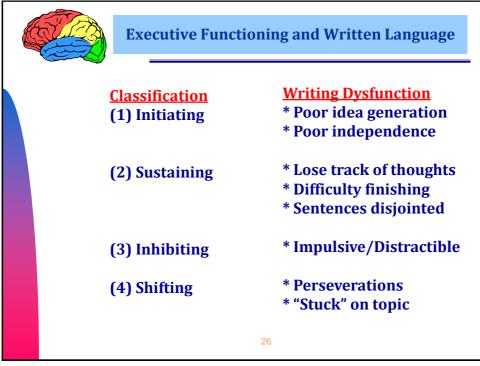






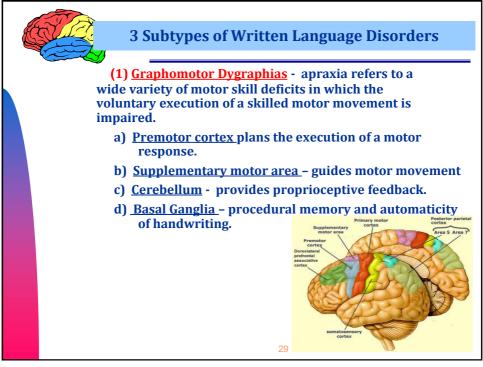


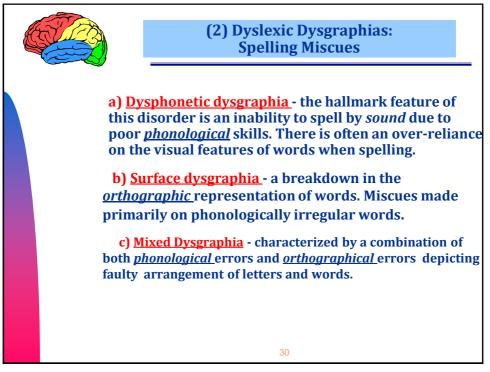


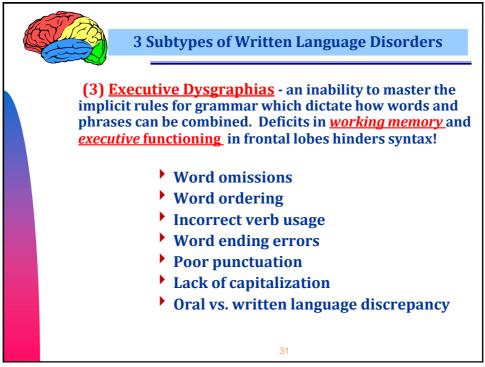


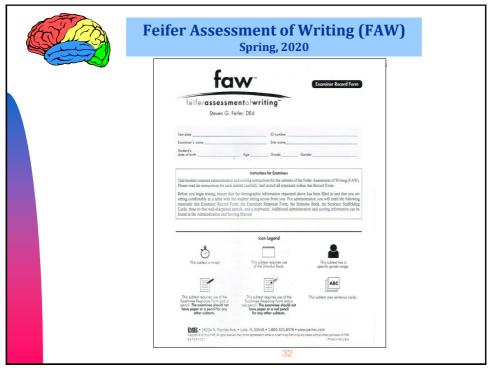


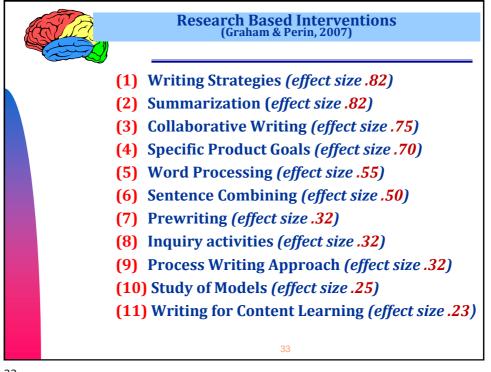
L	cts Involved with Written anguage
Motor Out	put Speed
Grade Levels	Handwriting Speed
Grade 1	15 -32 letters per minute
Grade 2	20 -35 letters per minute
Grade 3	25 -47 letters per minute
Grade 4	34 -70 letters per minute
Grade 5	38 -83 letters per minute
Grade 6	46 -91 letters per minute
BRAIN REGION -	Basal Ganglia (Pollack et al., 2009)
	28



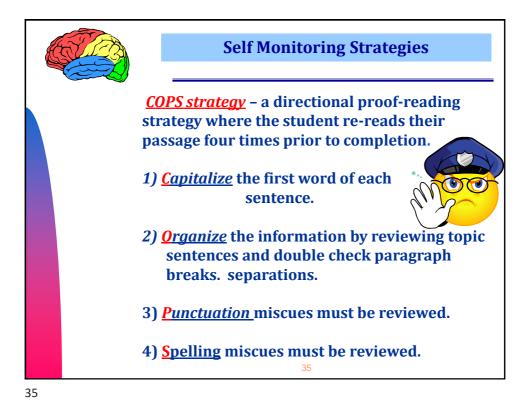


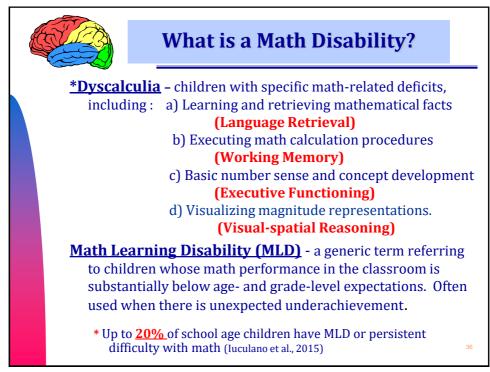


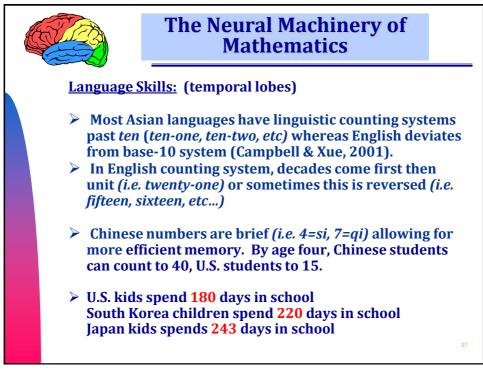


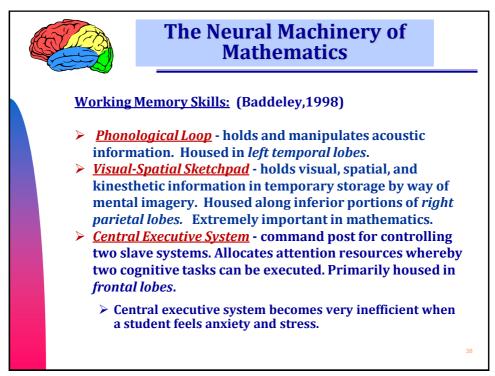


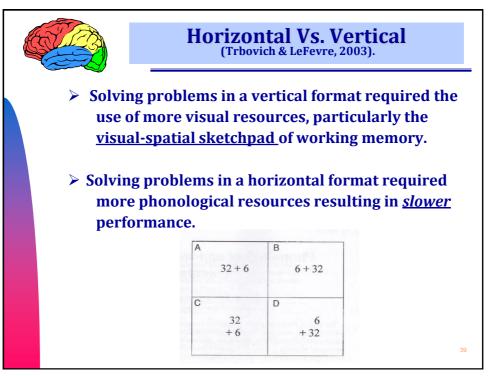


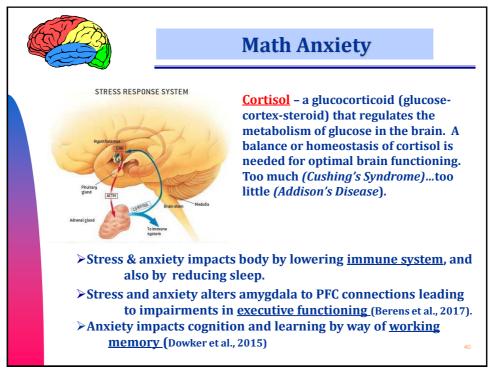


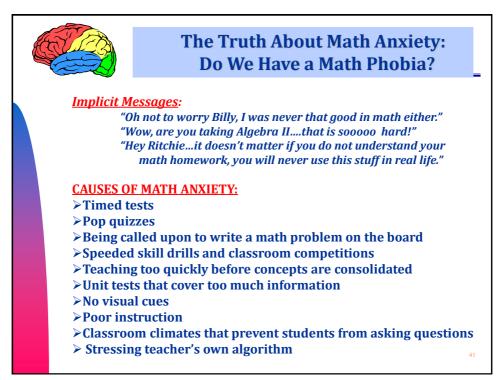


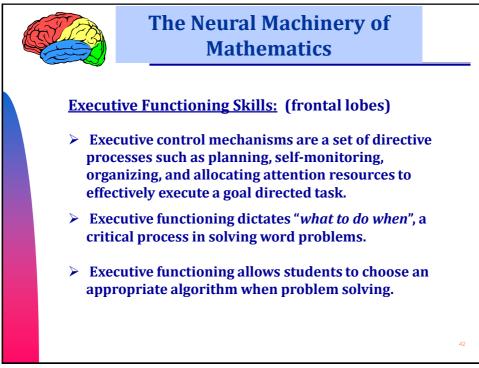




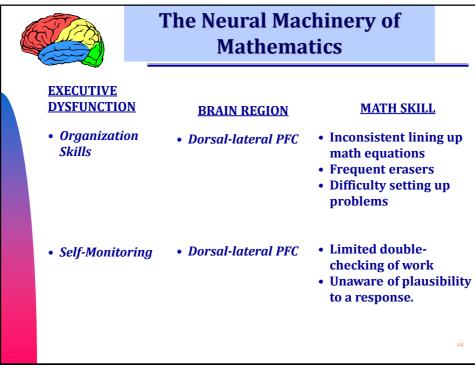


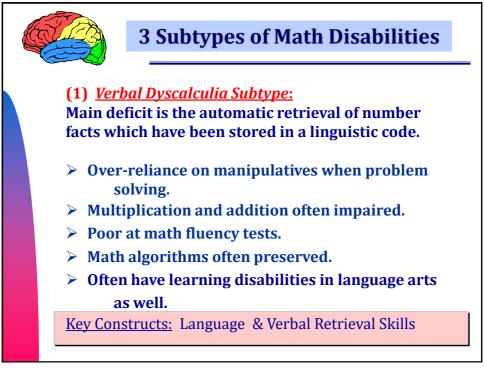


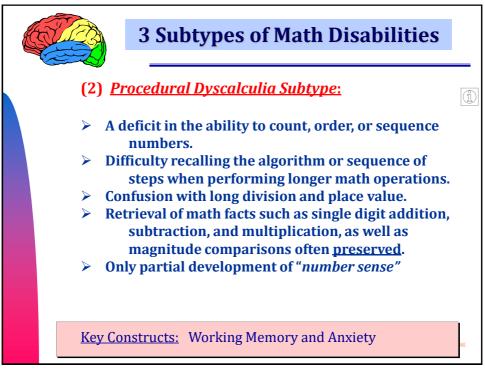


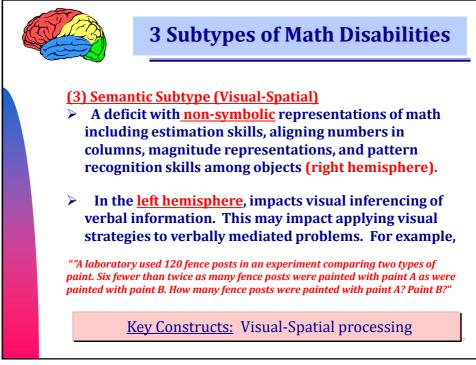


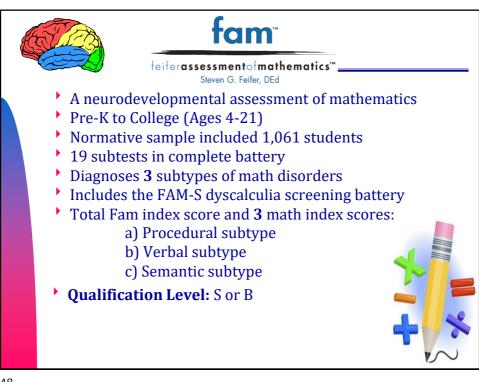
ł		The Neural Mac Mathema	•
	EXECUTIVE DYSFUNCTION • Selective Attention	BRAIN REGION • Anterior Cingulate/ • Subcortical structures	MATH SKILL • Poor attention to math operational signs • Place value mis-aligned
	• Planning Skills	• Dorsal-lateral PFC	 Selection of math process impaired Difficulty determining salient information in word problems











T.C.S.	fan	тм	
	feifer assessment of mathematics™ Steven G. Feifer, DEd		
	Structure of t	he FAM	
Index	Subtest	Grade range	Approximate administration time
	Forward Number Count (FNC)	PK to college	5 minutes
Procedural Index	Backward Number Count (BNC)	K to college	5 minutes
	Numeric Capacity (NCA)	PK to college	3 minutes
(PI)	Sequences (SEQ)	PK to college	5 minutes
	Object Counting (OC)	PK to Grade 2	5 minutes
	Rapid Number Naming (RNN)	PK to college	1 minute
	Addition Fluency (AF)	K to college	1 minute
Verbal Index (VI)	Subtraction Fluency (SF)	K to college	1 minute
verbai index (vi)	Multiplication Fluency (MF)	Grade 3 to college	1 minute
	Division Fluency (DF)	Grade 3 to college	1 minute
	Linguistic Math Concepts (LMC)	PK to college	6 minutes
	Spatial Memory (SM)	PK to college	5 minutes
	Equation Building (EB)	Grade 3 to college	4 to 6 minutes
	Perceptual Estimation (PE)	PK to college	5 minutes
Semantic Index (SI)	Number Comparison (NCO)	PK to college	2 minutes
Semantic Index (SI)	Addition Knowledge (AK)	K to college	2 minutes
	Subtraction Knowledge (SK)	K to college	2 minutes
	Multiplication Knowledge (MK)	Grade 3 to college	2 minutes
	Division Knowledge (DK)	Grade 3 to college	2 minutes

