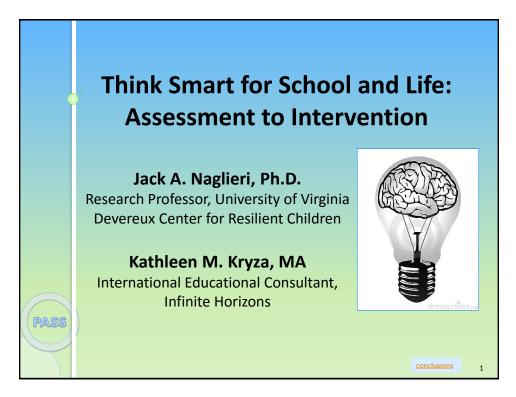
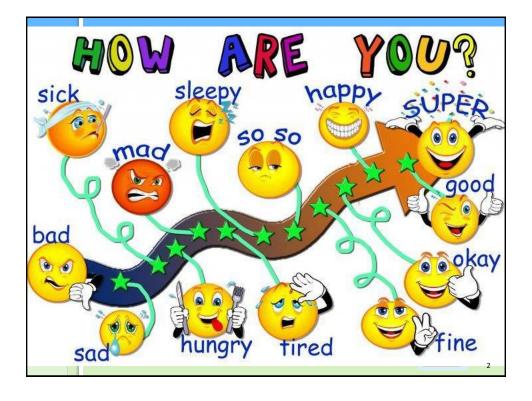
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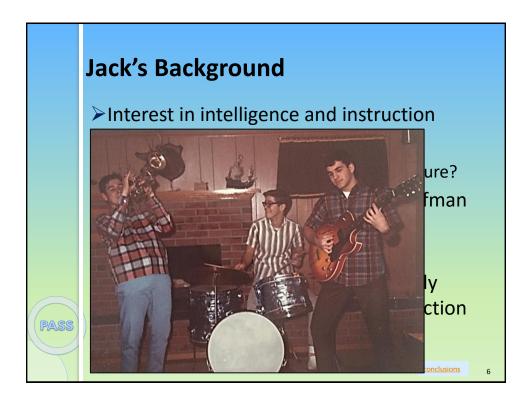


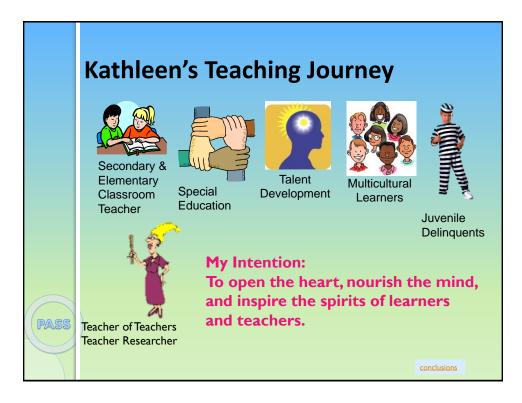


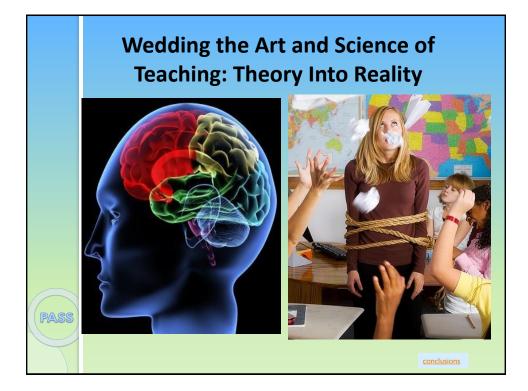


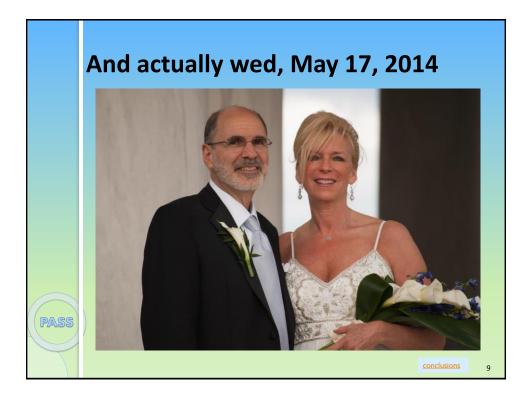




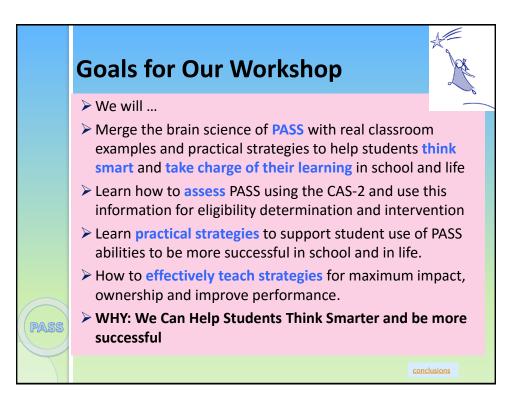


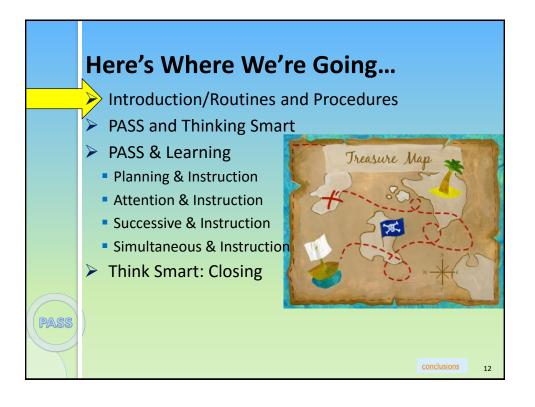








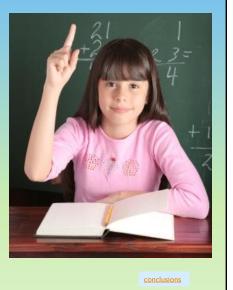


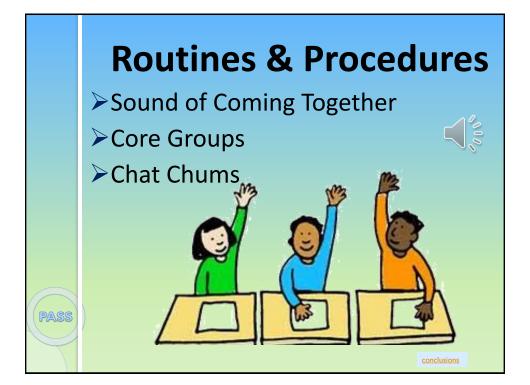


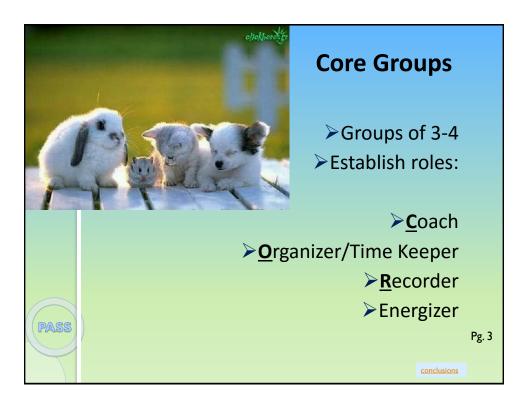
Decades of Research shows...

- In most classrooms, 20% of the students do 80% of the talking and thinking.
- Today, we will all be talking and thinking together, using strategies that HELP CHILDREN, and us, LEARN !

PASS









Norms for Today



- Respect Others
- Stay engaged and involved
- Professional Use of Technology (Stay Present)
- Practice forming new habits of the mind that challenge the limits of your potential.

www.kathleenkryza.com







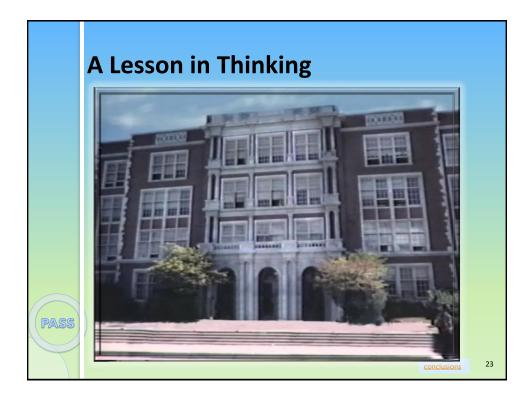
Time to share...

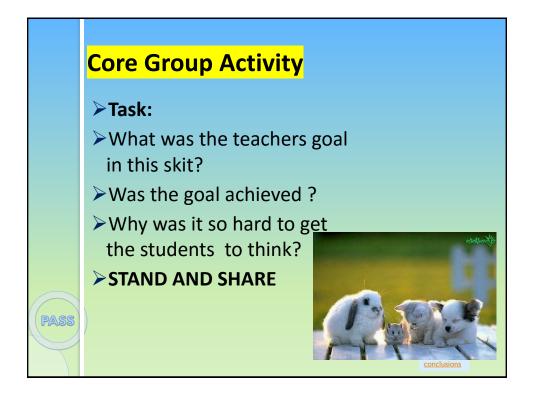
- Knee to Knee, Eye to EyeShare....
- •Remember back to your own school days. Do you recall being taught how to "think smart?" Yes or no? Share memories.

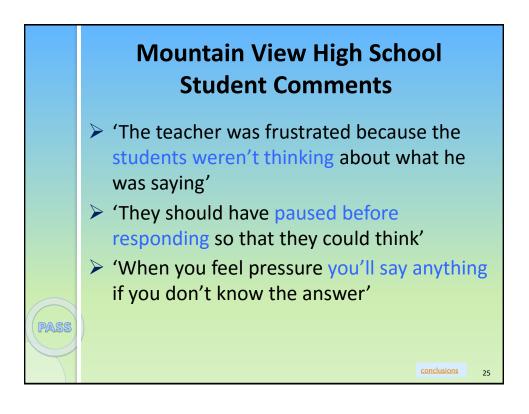
conclus Rgs 5 | 20

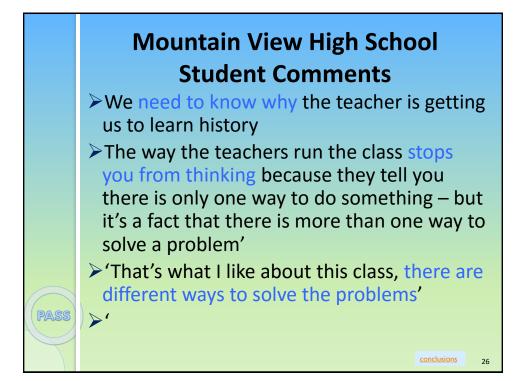


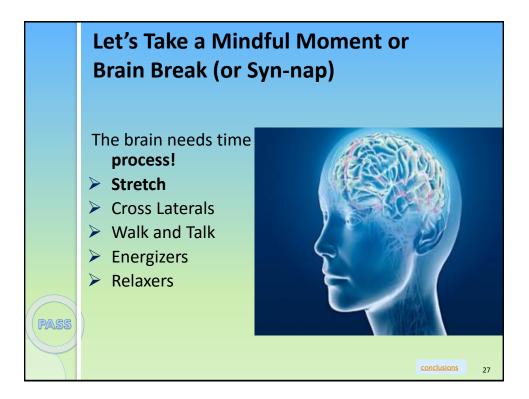


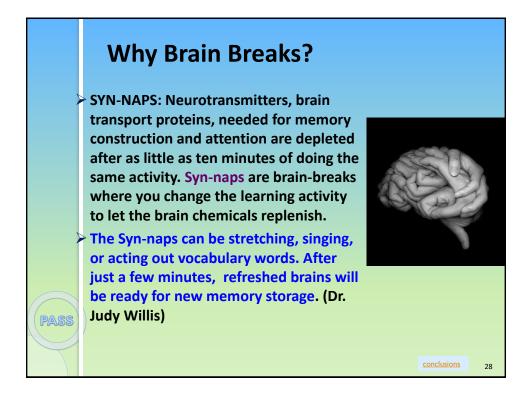


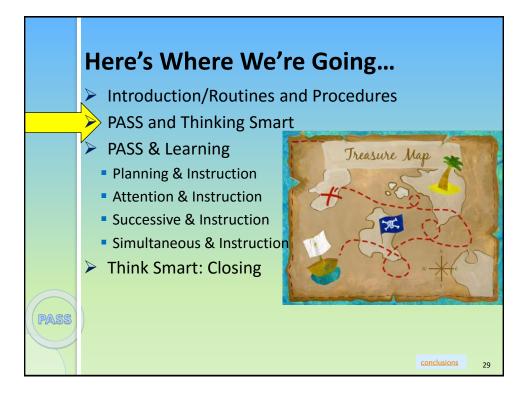


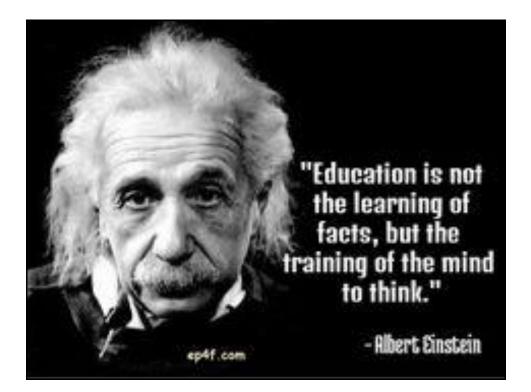






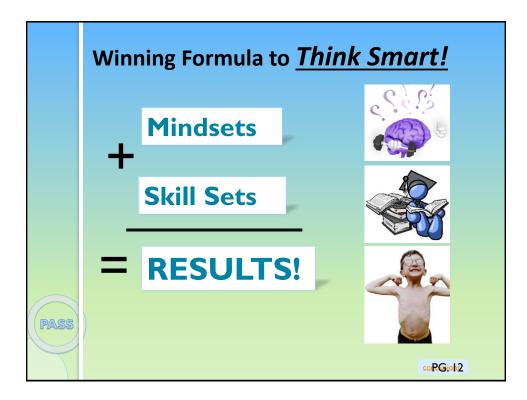


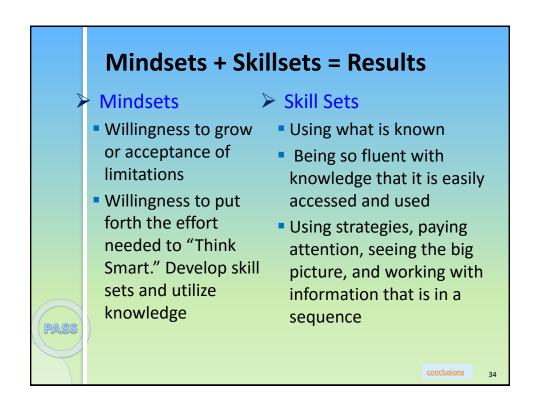


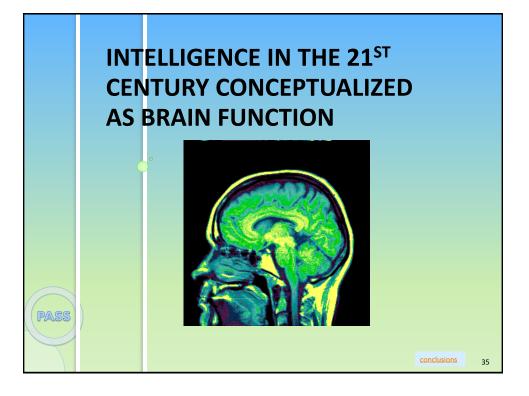




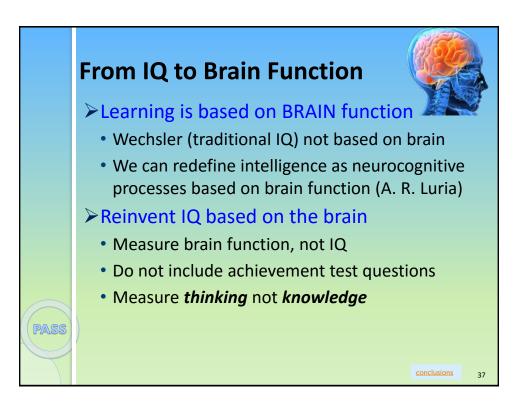


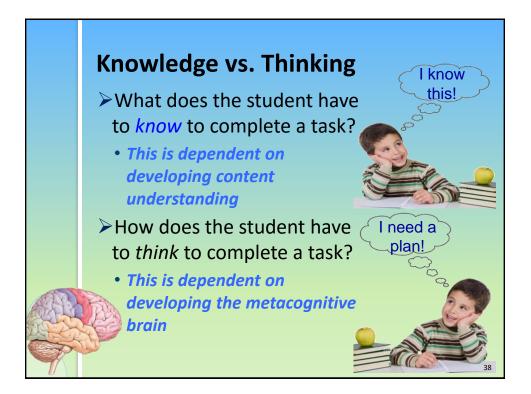


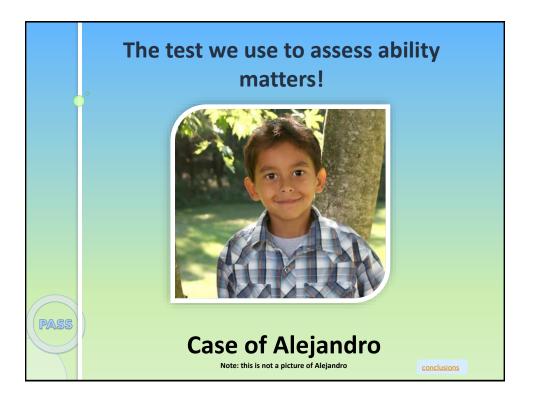


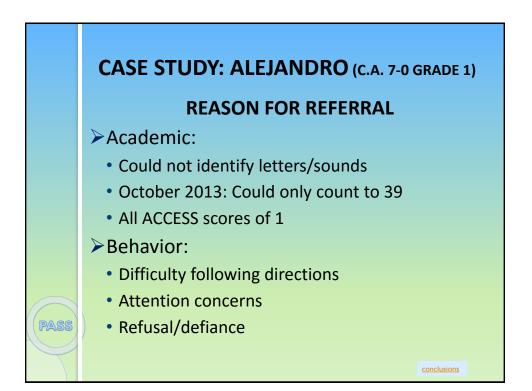


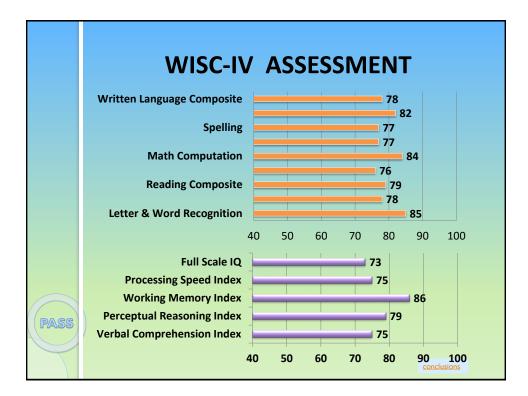




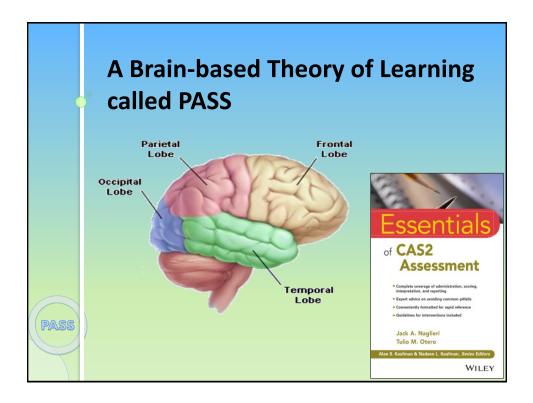


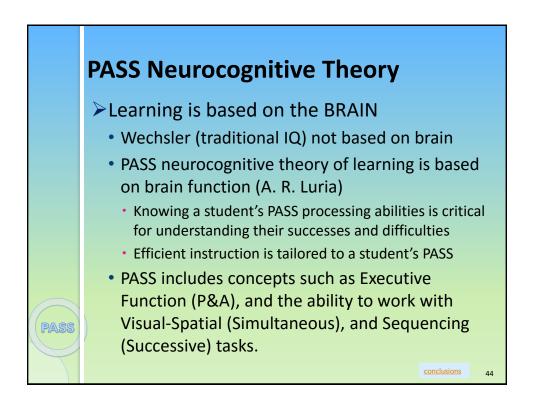


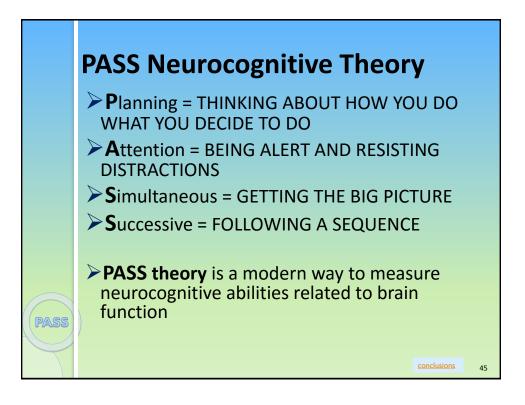


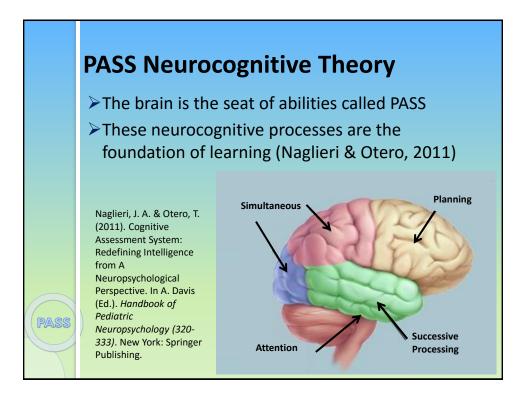












A Theory of Learning

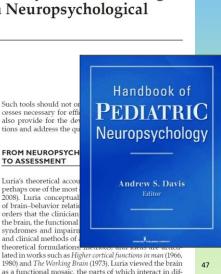
Cognitive Assessment System: Redefining Intelligence From a Neuropsychological Perspective

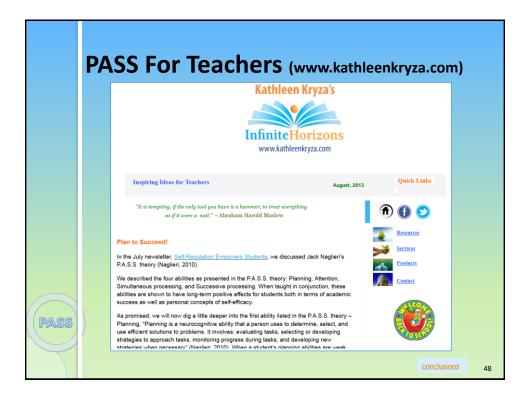
Jack A. Naglieri and Tulio M. Otero

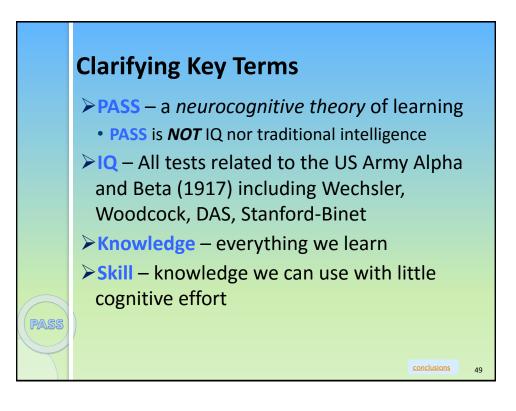
INTRODUCTION

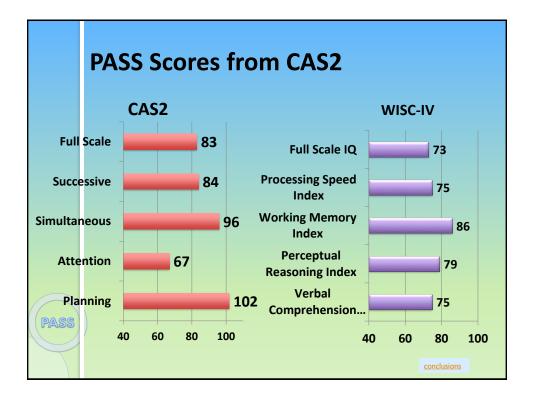
PASS

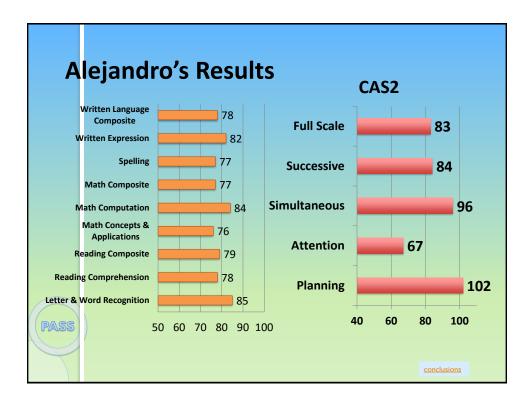
Pediatric neuropsychology has become an important field for understanding and treating developmental, psychiatric, psychosocial, and learning disorders. By addressing both brain functions and environmental factors intrinsic in complex behaviors, such as thinking, reasoning, planning, and the variety of executive capacities, clinicians are able to offer needed services to children with a variety of learning, psychiatric, and developmental disorders. Brain-behavior relationships are investigated by neuropsychologists by interpreting several aspects of an individual's cognitive, language, emotional, social, and motor behavior. Standardized instruments are used by neuropsychologists to collect information and derive inferences about brain-behavior relationships. Technology, such as magnetic resonance imaging (MRI), functional MRI (FMRI), positron emission tomography, computerized tomography, and diffusion tensor imaging, has reduced the need for neuropsychological tests to localize and access brain damage. Neuropsychological tests, however,

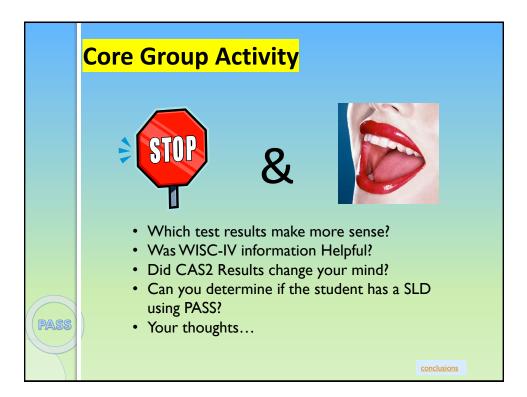


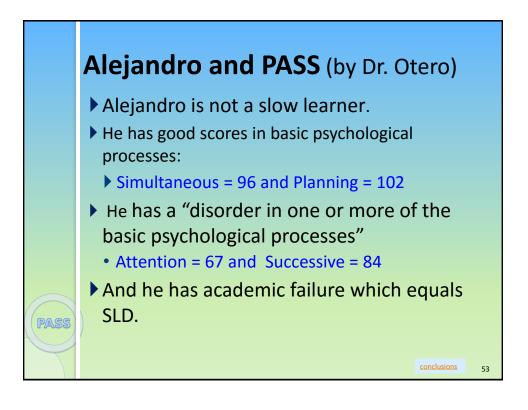


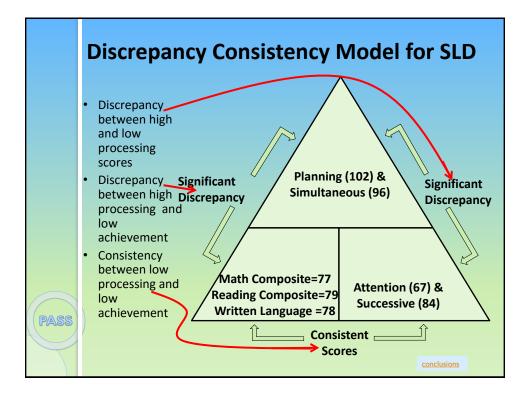


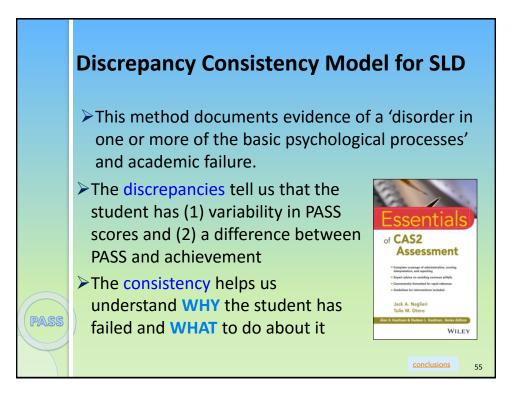


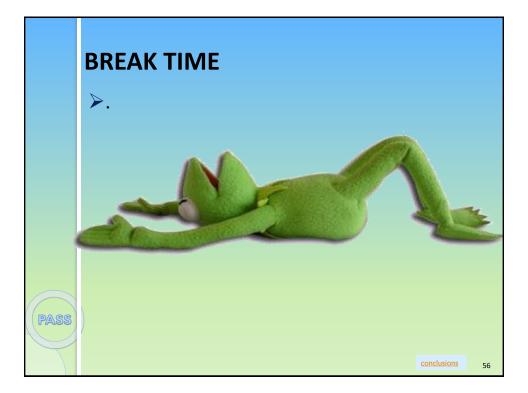


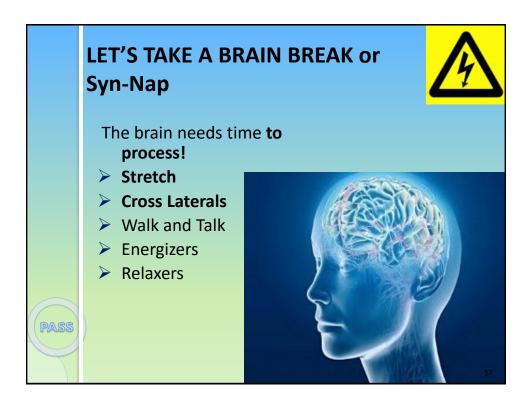


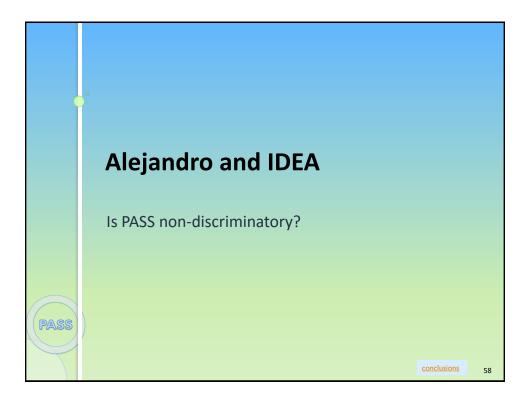




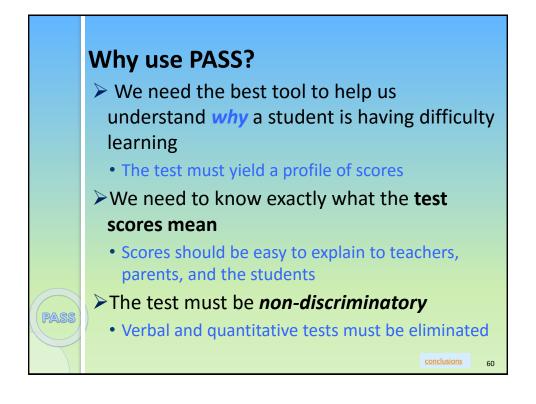


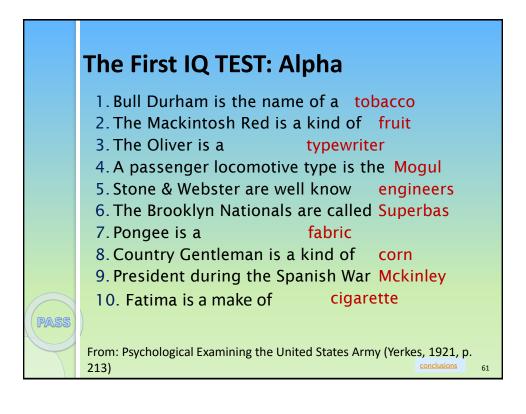


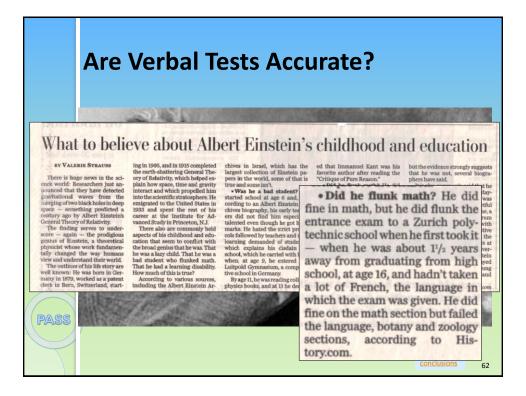


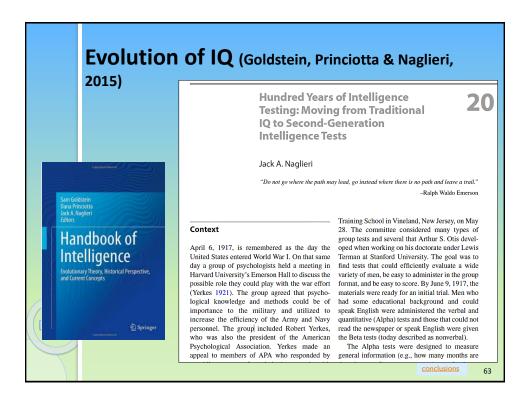


	IDE	A 2004
	agency s	ADDITIONAL REQUIREMENTS.—Each local educational shall ensure that— "(A) assessments and other evaluation materials used seess a child under this section—
non		(i) are selected and administered so as not to discriminatory on a racial or cultural basis;
discrim	ninatory	
assess	ments	and form most likely to yield accurate information on what the child knows and can do academically,
	_	developmentally, and functionally, unless it is not fea-
		sible to so provide or administer;
		"(iii) are used for purposes for which the assess- ments or measures are valid and reliable;
		"(iv) are administered by trained and knowledge-
		able personnel; and
		(v) are administered in accordance with any
		instructions provided by the producer of such assess-
PASS		ments;
	1.	"(B) the child is assessed in all areas of suspected
	disa	bility;
	eva	"(C) assessment tools and strategies that provide rel- nt information that directly assists persons in deter- ⁵⁹
	C Val	in mormation that ancerty assists persons in deter-

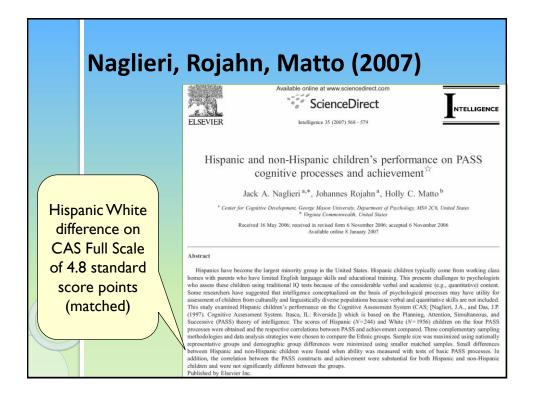


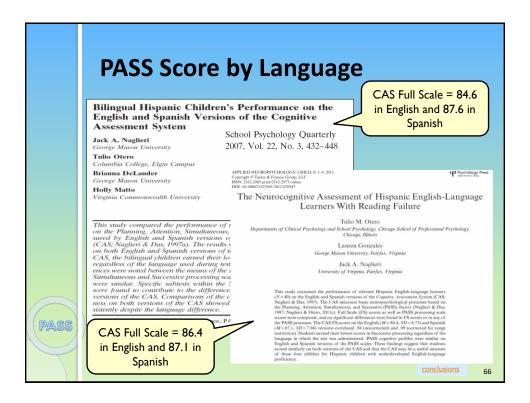


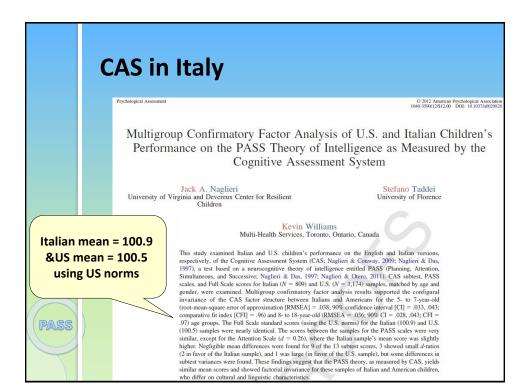




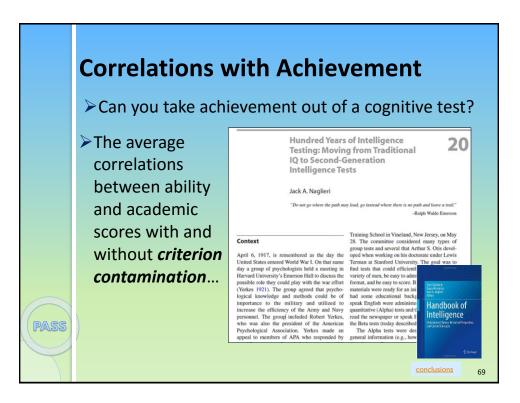
Race by test	Table 20.1 Mean score differences in srace on traditional IQ and second-genertests	•
(Naglieri,	Test	Difference
2015)	Traditional	
	SB-IV (matched)	12.6
psychological	WISC-IV (normative sample)	11.5
processes	WJ-III (normative sample)	10.9
measured by KABC2 and	WISC-IV (matched)	10.0
CAS2 are the	Second generation	
more fair	KABC (normative sample)	7.0
than	KABC (matched)	6.1
traditional	KABC-2 (matched)	5.0
tests	CAS2 (normative sample)	6.3
Tree	CAS (demographic controls)	4.8
	CAS2 (demographic controls)	4.3
		conclusions 64



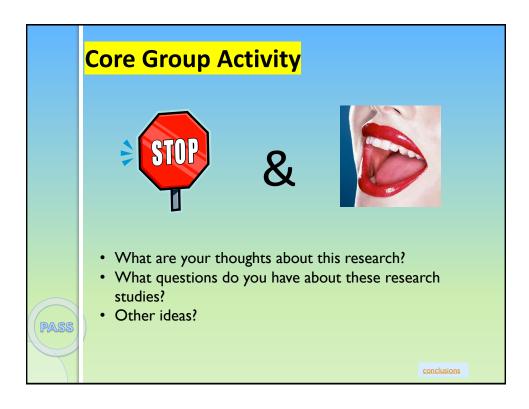


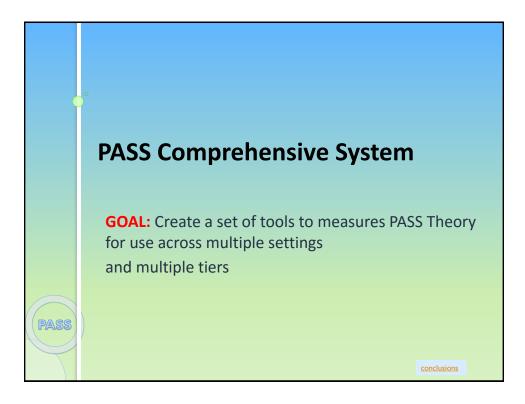


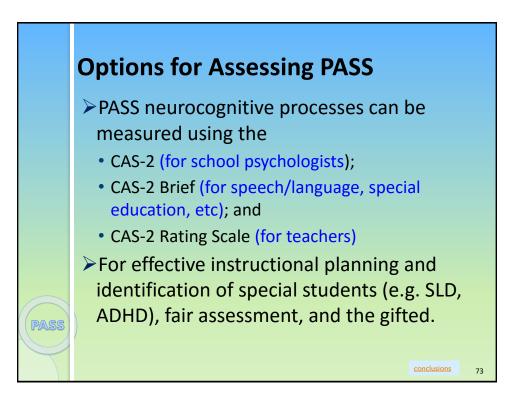
WJ-III and ELL Hispanic Students (Sotelo-Dynega, Ortiz, Flanagan & Chaplin, 2013)In point mean score difference in GAIMIII GIA and Test Performance Differences Between LEPs and the WJ III Standardization SampleWIII Sample <td col<="" th=""><th></th><th></th><th>nts</th><th>dei</th><th>.</th><th>ic S</th><th>nan</th><th>d FII Hisr</th></td>	<th></th> <th></th> <th>nts</th> <th>dei</th> <th>.</th> <th>ic S</th> <th>nan</th> <th>d FII Hisr</th>			nts	dei	.	ic S	nan	d FII Hisr
Table 1 WJ III GIA and Test Performance Differences Between LEPs and the WJ III Standardization Sample11 point mean score difference in GAI \overline{Sample} \overline{Sample} \overline{Sample} $V III Test$ M SD M SD Difference $V rhal ComprehensionConcept FormationNumbers Reversed93.3411.7810015-10.64-7.07^{**}V rhal ComprehensionSubsectionNumbers Reversed93.3411.7810015-10.64-7.07^{**}V rhal ComprehensionNumbers Reversed93.2312.4610015-12.84-8.22^{***}Numbers ReversedVisual Auchingvisual Matchingshills godown so doesthe GAISampleNTIIISample-0.85NYSESLAT Proficiency GroupMSDMSDDifferencetNYSESLAT Proficiency GroupMSDMSDDifferencetNYSESLAT Proficiency GroupMSDMSDDifferencetNYSESLAT Proficiency GroupMSDMSDDifferencetNYSESLAT Proficiency GroupMSDMSDDifferencetNYSESLAT Proficiency GroupMSDMSDMSDMNYSESLAT Proficiency GroupMSDMSDMSDMNYSESLAT Proficiency GroupMSDMSDM$								-	
WI III GIA and Test Performance Differences Between LEPs and the WJ III Standardization Sample11 point mean score difference in GAIWI III SampleSampleWI III TestMSDMSDVehal Comprehension Concept Formation80.3814.0910015 -10.64 -7.07^{**} Vehal Comprehension Suber Science80.3814.0910015 -10.64 -7.07^{**} Vehal Comprehension Suber Science80.3814.0910015 -12.84 -8.22^{**} Numbers Reversed Visual-Auditory Learning Visual Matching Spatial Relations95.6214.5610015 -4.38 -2.35^{*} Sound Blending 97.82 11.5710015 -2.18 -1.47 -2.96^{*} Visual Auditory Learning Visual Matching Spatial Relations99.188.4510015 -0.82 -0.758 * $p < .05. **p < .01. ***p < .001.$ Table 2Differences Among the NYSESLAT Proficiency Group's WJ III, GIA Mean Score, and the WJ III Standard Sample*Table 2 Differences Among the SSESLAT Proficiency GroupWI IIISample N NYSESLAT Proficiency GroupMSDMSDDifferencetNU SESLAT Proficiency GroupMSDMSDDifferencetBeginner Intermediate RE2298.6610015 -17.71 -7.65^{*} Advanced Marked Marked89.559.1710015 -10.45^{*})	013	iin, 2	cnap	an &		
Il point mean score difference in GAI Sample WJ III Test M SD M SD Difference t Vehal Comprehension 80.38 14.09 100 15 -10.64 -7.07** Vehal Comprehension 80.38 14.09 100 15 -19.62 -10.87*** Concept Formation 87.16 12.20 100 15 -12.84 -8.22*** Numbers Reversed 95.23 12.46 100 15 -4.38 -2.35* Sound Biending 97.82 11.57 100 15 -4.38 -2.35* Sound Biending 97.82 11.57 100 15 -0.85 -0.758 *p < .05. **p < .01. ***p < .001. Table 2 Differences Among the NYSESLAT Proficiency Group's WJ III, GIA Mean Score, and the WJ III Standar Sample Sample Sample NYSESLAT Proficiency Group M SD Mifference t VYSESLAT Proficiency Group M SD M SD Difference t Beginner 71.75 3.95 100 15 -17.71 -7.65*			W/1 /11 Came day	and the	een I ED	ences Retu	ance Differ		
Mean score difference in GAI WI III Test M SD M SD Difference t General Intellectual Ability 99.34 11.78 100 15 -10.64 -70.7^{**} Verbal Comprehension 80.38 14.09 100 15 -19.62 -10.87^{***} Concept Formation 87.16 12.20 100 15 -12.84 -8.22^{**} Visual-Auditory Learning 95.62 14.56 100 15 -4.38 -2.35^{*} Sound Blending 98.93 9.80 100 15 -2.18 -1.47 Visual-Auditory Learning 95.62 14.56 100 15 -2.18 -1.47 Visual-Auditory Learning 98.63 9.80 100 15 -0.02 -0.758 * $p < .05. **p < .01. ***p < .001.$	Mean	ization Sample	wJ III Standardi	ш	WJ				
GAI Verbal Comprehension 80.38 14.09 100 13 -10.04 10.87*** Concept Formation 87.16 12.20 100 15 -12.84 -8.22*** Numbers Reversed 95.23 12.46 100 15 -4.38 -2.36* Sound Bleading 97.82 11.57 100 15 -4.38 -2.35* Sound Bleading 97.82 11.57 100 15 -2.18 -1.47 Visual-Auditory Learning 95.62 14.56 100 15 -2.18 -1.47 Sound Bleading 97.82 11.57 100 15 -0.82 -0.758 *p < .05. **p < .01. ***p < .001.	d	t	Difference					WJ III Test	
GAI Verbal Comprehension 80.38 14.09 100 15 -19.62 -10.87^{***} Concept Formation 87.16 12.20 100 15 -12.84 -8.22^{***} Numbers Reversed 95.23 12.46 100 15 -4.38 -2.38^* Numbers Reversed 95.23 12.46 100 15 -4.38 -2.38^* Sound Blending 97.82 11.57 100 15 -4.38 -2.38^* Sound Blending 97.82 11.57 100 15 -2.18 -1.47 Ysual Matching 98.93 99.18 8.45 100 15 -0.82 -0.758 * $p < .05. **p < .01. ***p < .001.$	9	- 7.07**	- 10.64	15	100	11.78	89.34	General Intellectual Ability	
GAI Concept Formation 87.16 12.20 100 15 -12.84 -8.22*** Numbers Reversed 95.23 12.46 100 15 -4.37 -2.96* Numbers Reversed 95.23 12.46 100 15 -4.77 -2.96* Visual-Auditory Learning 95.62 14.55 100 15 -4.38 -2.35* Sound Blending 98.93 9.30 100 15 -1.07 -0.85 Spatial Relations 99.18 8.45 100 15 -1.07 -0.82 * $p < .05, **p < .01. ***p < .001.$ Table 2 Differences Among the NYSESLAT Proficiency Group 's WJ III. GIA Mean Score, and the WJ III Standar Sample Sample Sample NUT Mown so does the GAI Sample from the standar Sample NU III Beginner 71.73 3.95 100 15 -18.25 -14.31* Intermediate 82.29 8.66 100 15 -17.71 -7.65* Advanced 89.55 91.7 100 15 -10.45* -10.45* <	-14				100	14.09	80.38		
As English skills go down so does the GAI WYSESLAT Proficiency Group WJ III Sample WJ III Sample WYSESLAT Proficiency Group M SD M SD Difference t Beginner 71.75 3.95 100 15 -2.36* 1.4.70 1.4.70 1.5.7 1.00 15 -2.38* -1.47 1.4.70 1.5.7 1.00 15 -2.18 -1.47 1.4.70 -0.85 5.00 15 -0.82 -0.758 1.5.7 1.00 15 -0.82 -0.758 1.5.7 1.00 15 -0.82 -0.758 1.5.7 1.00 15 -0.82 -0.758 1.5.7 1.00 15 -0.82 -0.758 1.5.7 1.00 15 -0.82 -0.758 1.5.7 1.0.8 1.5.7 1.0.8 1.5.7 1.0.8 1.5.7 1.5.7 1.0.8 1.5.7 1.0.8 1.5.7 1.5.7 1.5.7 1.5.7 1.5.7 1.5.7 1.5.7 1.5.7 1.5.5 1.4.31* 1.5.7 1.7.71 -7.5.5* 1.5.5* 1.0.45 -10.45* 1.0.45* 1.0.45* 1.0.45*	- 10			15	100	12.20	87.16		
Sound Blending 97.82 11.57 100 15 -2.38 -1.47 Visual Matching 98.93 9.80 100 15 -1.07 -0.85 Spatial Relations 99.18 8.45 100 15 -0.82 -0.758 * $p < .05. **p < .01. ***p < .001.$ Table 2 Differences Among the NYSESLAT Proficiency Group's WJ III, GIA Mean Score, and the WJ III Standard Sample Mean WYSESLAT Proficiency Group M SD M SD Difference r Beginner 71.75 3.95 100 15 -28.25 -14.31* Intermediate 82.29 8.66 100 15 -28.25 -14.31* Proficiency W3 SD 100 15 -28.25 -14.31* Proficiency 8.65 100 15 -28.25 -14.31*	- 0.	-2.96^{*}	- 4.77	15	100	12.46	95.23		
Visual Matching 98.03 9.80 100 15 -1.41 Visual Matching 98.03 9.80 100 15 -1.47 Spatial Relations 99.18 8.45 100 15 -0.85 Spatial Relations 99.18 8.45 100 15 -0.82 -0.758 * $p < .05. **p < .01. ***p < .00.$ Table 2 $Differences Among the NYSESLAT Proficiency Group's WJ III, GIA Mean Score, and the WJ III Standard Sample Mean NYSESLAT Proficiency Group M SD M SD Difference t Beginner 71.75 3.95 100 15 -28.25 -14.31^* Proficient 89.55 9.17 100 15 -10.45^* $	- 0.3	- 2.35*	-4.38	15	100				
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	-0.1	-1.47	-2.18	15	100		0.0077		
P As English skills go down so does the GAI $\frac{1}{p < .05. **p < .01. ***p < .001.}$ $\frac{1}{r p < .05. **p < .01. ***p < .001.}$ Table 2 Differences Among the NYSESLAT Proficiency Group's WJ III, GIA Mean Score, and the WJ III Standar Sample Mean $\frac{1}{M SD} \frac{WJ III}{M SD}$ $\frac{WJ III}{M SD} \frac{WJ III}{M SD}$ Beginner 71.75 3.95 100 15 -28.25 -14.31* Intermediate 82.29 8.66 100 15 -17.71 -7.65* Advanced 89.55 9.17 100 15 -10.45 -10.45*	-0.1	- 0.85	-1.07	15					
Table 2 Differences Among the NYSESLAT Proficiency Group's WJ III, GIA Mean Score, and the WJ III Standard Sample Mean As English skills go down so does the GAI WSESLAT Proficiency Group's WJ III, GIA Mean Score, and the WJ III Standard Sample Mean Sample Sample M SD M SD Difference t Beginner 71.75 3.95 100 15 -28.25 -14.31* Intermediate 82.29 8.66 100 15 -17.71 -7.65* Advanced 89.55 9.17 100 15 -10.45 -10.45*	-0.1	-0.758	-0.82	15	100	8.45	201222		
$\begin{array}{ c c c c c c } \hline As English \\ skills go \\ down so does \\ the GAI \\ \hline \end{array} \begin{array}{ c c c c c } \hline As English \\ skills go \\ down so does \\ the GAI \\ \hline \end{array} \begin{array}{ c c c c } \hline \\ \hline \\ \\ \hline \\ \hline \\ \\ \hline \\ \hline \\ \\ \hline \\ \\ \hline \hline \\ \hline \\ \hline \\ \hline \\ \hline \hline \\ \hline \hline \\ \hline \\ \hline \\ \hline \hline \\ \hline \\ \hline \hline \hline \\ \hline \hline \\ \hline \hline \\ \hline \hline \hline \hline \\ \hline \hline \hline \hline \hline \\ \hline \hline \hline \hline \hline \\ \hline \\ \hline \hline$	rdizatio	e WI III Standa	ean Score, and the	, GIA Me	p's WJ III	iency Grou	25	Table 2 Differences Among the NYSES	
skills go down so does the GAINYSESLAT Proficiency Group \overline{M} \overline{SD} \overline{M} \overline{SD} DifferencerBeginner Intermediate Advanced Proficient71.753.9510015 -28.25 -14.31^* 10015 -28.25 -17.71 -7.65^* 10015 -17.71 -7.65^* 10015 -10.45^*	ruizano	e wy m standad	un score, unu me					Sample Mean	
P down so does the GAI NYSESLAT Proficiency Group M SD M SD Difference t Beginner 71.75 3.95 100 15 -28.25 -14.31* Intermediate 82.29 8.66 100 15 -17.71 -7.65* Advanced 89.55 9.17 100 15 -10.45 -10.45*						nple	Sa		
the GAI Degamer 71.75 3.95 100 15 -28.25 -14.31* Intermediate 82.29 8.66 100 15 -17.71 -7.65* Advanced 89.55 9.17 100 15 -10.45* -10.45*	d	t	Difference	SD	М	SD	М	NYSESLAT Proficiency Group	
the GAI Intermediate 82.29 8.66 100 15 -17.71 -7.65* Advanced 89.55 9.17 100 15 -10.45 -10.45*		14.31*	- 28.25	15	100	3.95	71.75	Beginner	
Proficient 101 000 15 - 10.45 - 10.45	- 7.13							Intermediate	
Proficient	- 2.03						89.55	Advanced	
	0.11	.405			100	9.23	101	Proficient	
* <i>p</i> < .001.								*p < .001.	

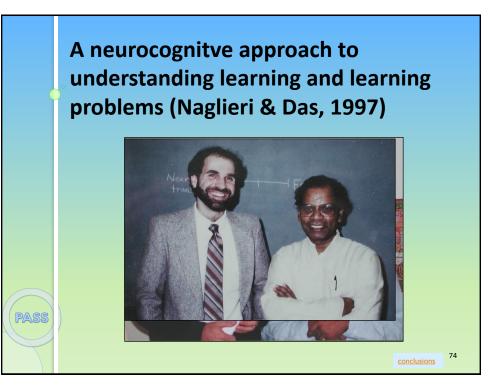


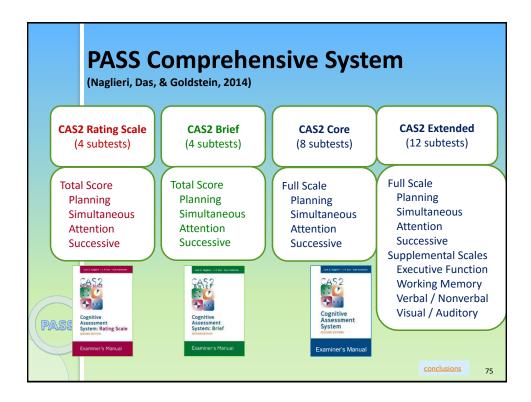
	Correlatio	ons with Achievement						
	Average correlations between IQ Scales with total achievement scores and basic	Correlations Test Scores WISC-V WIAT-III N = 201 WJ-IV COG WJ-IV ACH N = 825	Between Ability and Achieveme Verbal Comprehension Visual Spatial Fluid Reasoning Working Memory Processing Speed Comprehension Knowledge Fluid Reasoning Auditory Processing Short Term Working Memory Cognitive Processing Speed Long-Term Retrieval	.74 .46 .40 .63 .34 .50 .71 .52 .55 .55 .43	All Scales	e Correlation Scales without achievement		
PASS	psychological processes Note: All correlations are reported in the ability tests' manuals. Values per scale were averaged within each ability test using Fisher z transformations.		Visual Processing Sequential/Gsm Simultaneous/Gv Learning/Glr Planning/Gf Knowledge/GC Planning Simultaneous Attention Successive cales Comp-Know= Vocabulary and Ge and Concept Formation; Auditory PP		nformation; I	-		



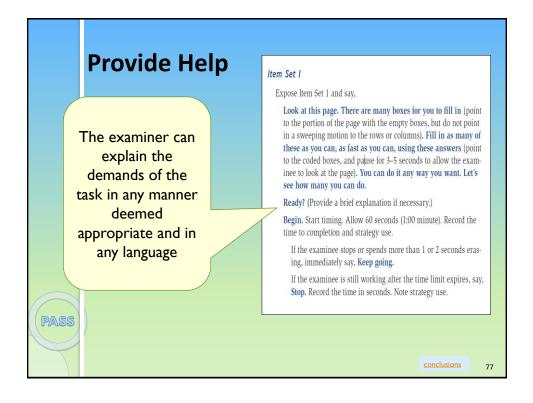






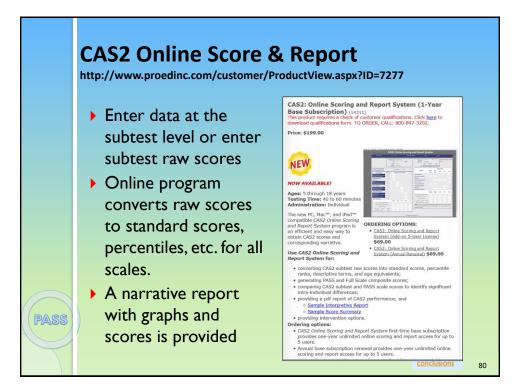






	CAS2	Section 1. Identifying Information Steers New William Section 1. Identifying Information Steers New William Section 1. Identifying Information
	≻Same 8 (40	System Second Edition Examiner Record Form
	minutes) or 12	Juck A. Nugleri J. P. Dis Sam Goldstein Age 7 10 2/2 Section 2. Subtest and Composite Scores Subtrian
	(60 minutes)	Solite Barr Autor Autor From Autor Autor From Solite Reme/Cole/(0) 14 7 10 Reme/Cole/(0) 14 7 10 10 Reme/Cole/(0) 14 7 10 100 Reme/Cole/(0) 16 5 10 10 100 100 100 100 100
	subtest versions	Name NUM 00 5 10 Manne NUM 20 10
	► PASS and Full	Upper la Mening (J) 46 4 Hogenia Mening (J) 46 4 115 115 115 116 119 12 Respire Mening (J) 45 4 118 11 110 119 12 111
	Scales provided	Weifweitig 10 7 Seman Myrein 5 7 Mend Myr Span 0 6 PAM Statistics 54 7 Bit 6 7 Bit 6 7 Bit 6 7 Bit 6 7
	(100 & 15) subtests (10 and	Ison d'Sider Side d'and Size 23 ⊙ 13 ⊙ 123 ⊙ 123 ⊙ 120 ⊙ 102. 78 4 Riti Gaugalio Maria Sizes 24 ⊙ 25 ⊙ 120 ⊙ 102. 78 4 4 Riti Gaugalio Maria Sizes 24 ⊙ 25 ⊙ 120 ⊙ 101. 15 1 4 Number Baix 14 ⊙ 57 78 1 5 1 5 Number Baix 14 ⊙ 57 78 1 5 1 5
	3)	Section 4. Descriptive Ferms
Pass		Socied Sciences 1-3 4-5 6-7 8-12 13-14 15-16 17-30 Descriptive Terms Very You Prox Below hersage Interaction Interaction New Series Very Superior Index Scores <70 710-77 80-89 50-119 110-119 120-129 ≥110
	L	Figure 2.1. Completed pages of the Examiner Record Form for William.

	Supplemental Composite Scores						
	CAS2	Subtest	EF w/o WM	EF w/ WM	WM	VC	NvC
	>Supplementary	Planned Codes					7
	Scales:	Planned Connections Matrices	8	8			10
	Executive	Verbal-Spatial Relations		u	11	11	
	Function,	Figure Memory	0	-			10
	Working	Expressive Attention Receptive Attention	9	9		9	
	Memory, Verbal,	Sentence Repetition/Questions		7	7	7	
	Nonverbal		EF w/o WM	EF w/ WM	WM	VC	NvC
		Sum of Subtest Scaled Scores	Π	35	18	27	27
	Added: A Visual	Composite Index Scores	91	91	94	93	92
	and Auditory	Percentile Rank Upper	27	27 99	34 101	32 101	30 99
	comparison	% Confidence Interval Lower	84	85	88	87	86
PASS		Note: EF w/o WM = Executiv EF w/WM = Executive Functi Memory; VC = Verbal Conten	on with V	Vorking N	lemory;	$\tilde{W}M = Wc$	
					<u>concl</u>	<u>usions</u>	79



CAS2 Online Score & Report

Narrative report in Word or PDF



Assessment

System cond Editio

Scoring and Interpretive Report Jack A. Naglieri

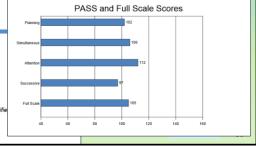
Name: Jack Nag Age: 8 Gender: Male Date of Birth: 07-12-2005 Grade: 5 School: East Lake

PASS

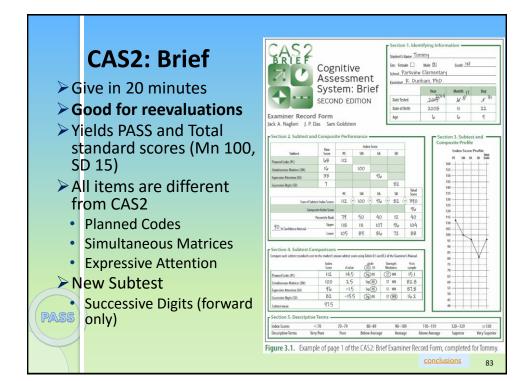
This computerized report is intended for use by qualifi information can be found in the CAS2 Interpretive Manual.

FULL SCALE

Jack earned a Cognitive Assessment System, Second Edition (CAS2) Full Scale score of 105 which is within the Average classification and is a percentile rank of 63. This means that his performance is equal to or greater than that of 63% of children his age in the standardization group. There is a 90% probability that Jack's true Full Scale score falls within the range of 101 to 109. The CAS2 Full Scale score is made up of separate scales called Planning, Attention, Simu ultaneous, and Successive cognitive processing. Because there was significant variation among the PASS scales, the Full Scale will sometimes be higher and other times lower than the four scales in this test. The Attention Scale was found to be a significant cognitive strength. This means that Jack's Attention score was a strength both in relation to his average PASS score and when compared to his peers. This cognitive strength has important implications for instructional and educational programming



CAS2: Brief for ages 4-18 years AS2 Cognitive Assessment System: Brief SECOND EDITION C ÷... Jack A. Naglieri + J. P. Das + Sam Goldstein ĸ Cognitive Assessment 2 14 System: linegh Ballers 10-13 90-109 Average Cognitive Cognitive Assessment System: Brief Assessment System: Brief PASS SECOND EDITION Examiner's Manual



CAS2: Brief Simultaneous Matrices

Simultaneous Matrices

Administration: Age-based entry points; apply ceiling (ceiling of 4; basal of 2, if needed)

Materials:

CAS2: Brief Stimulus Book (pp. 1–90); #2 pencils

Objective:

Examinees should select the option that best completes the matrix.

Entry Points and Basals: If an examinee age 12–18 fails the first item, administer previous items in reverse order until two consecutive correct answers have been obtained (basal). Record the response in the appropriate column, and then score the response (1 = correct, 0 = incorrect) for each item.

Discontinue Rule: Discontinue subtest if examinee receives four consecutive incorrect responses.

Directions for All Examinees:

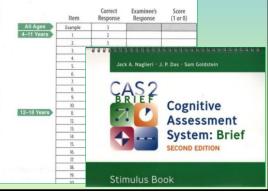
Show example in the CAS2: Brief Stimulus Book (p. 1), and say, Look at this page. There is a piece missing here (point to the question mark). Which one of these (point to the five options in a sweeping motion) goes here? (Point to the question mark.) If the response is correct, say, Yes, that's the pright one because it's all yellow. If incorrect, point to Option 3 and say, This is the right one because it's all yellow. (If necessary, provide a brief explanation) Continue with directions for the appropriate age group.

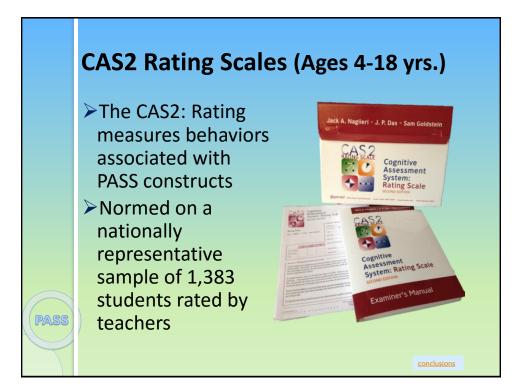
Directions for Examinees Ages 4–11:

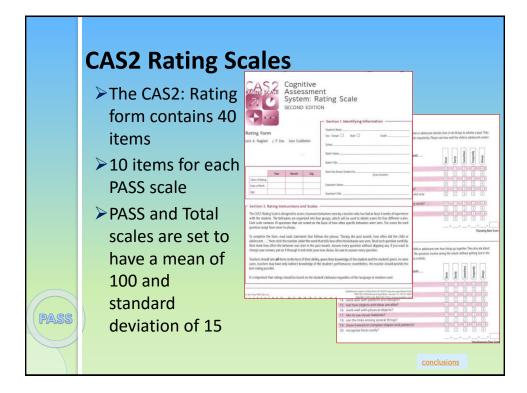
Show item 1 and say, Look at this page. There is a piece missing here.

Directions for the Remaining Items:

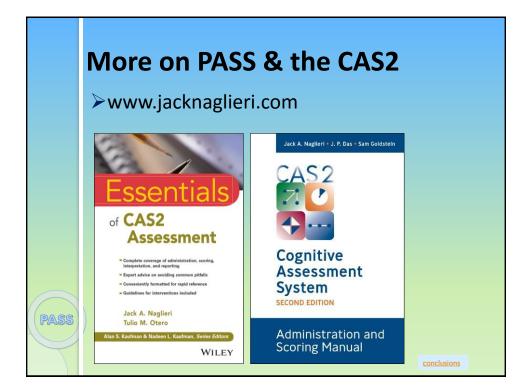
For each item, say as needed, There is a piece missing here (point to the question mark). Which one of these (point to the options in a sweeping motion) goes here? (Point to the question mark.) When the question is no longer necessary, say. Now do this one. (Provide no additional help.) If the examinee does not respond after about 60 seconds, encourage him or her to choose one of the options. If the examinee still does no respond, say, Let's try the next one. (Show the next item.)

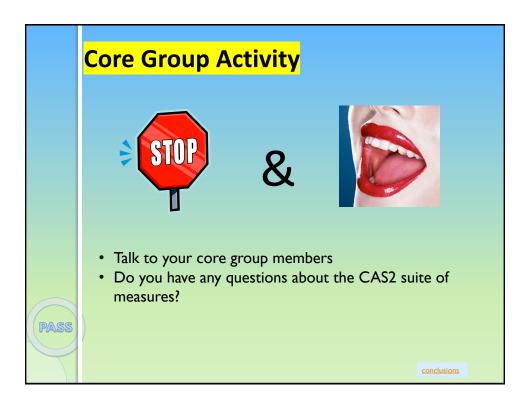






	CAS2	[Section 3. PASS Sc	ale and T	otal Sco	re Summa					ection 4. PASS	
	0, 10 -	PASS Scale	Raw Score	Planning		rd Scores			ar	Standard Score	
	Rating	Planning	19	95	Simultaneou	Attention	Successive			A di	the state
	Nating	Simultaneous	31		115	-				160	Elentra States - States
	Caalaa	Attention	24			100				155	
	Scales	Successive	11				85	Sum of		150	
				Planning	Simultaneous	Attention	Successive	Standard Scores		140	
		Stand	lard Score	95	115	+ 100	+ 85	395		135	
		Т	otal Score			125		99		125	
	The CAS2:	Perce	ntile Rank	37	84	50	16	47		120	
	Dating Coolo	% Confiden		100	120	105	92	102		110	
	Rating Scale		Lower	90	108	95	80	96		100	
	scores can be									95	$\lambda /$
		Compare each PASS Sca			ne student's r	nean PASS s	core using			85	¥.
	used as part of	Tables C.1 and C.2 of the								80 75	
	a larger		Sc			15).10 W	itrength /eakness	% in sample		70	
	•	Planning	9			-	ST WK	68.0		65 60	
	comprehensiv	Simultaneous				2	sт) wk st wk	10.8		55	
	e evaluation or	Successive	8				ST (WK)	16.9		50 45	
	e evaluation of	PASS mean	98	.8						40	\mapsto
	for										
	in a transition of t	F Section 6. Descript	ive Term	s							
	instructional	Descriptive Terms	Very Poor	P	oor	Below Average	Avera		bove erage	Superior	Very Superior
PASS	planning	Standard and Total Score	<70	70	-79	80-89	90-1)-119	120-129	≥130
					20 A.		NN 1097				
		igure 2.3. Sampl	e page	4 of Ra	ting Forr	n, comp	leted for	r Tommy.			





The Brain and Learning

In the classroom, the more ways the materials in the are introduced to the brain and reviewed, the more dendritic pathways of access will be created. There will be more cell-to-cell bridges and these pathways will be used more often, become stronger and remain safe from pruning.



-- Dr. Judy Willis, Neurologist, 2006.

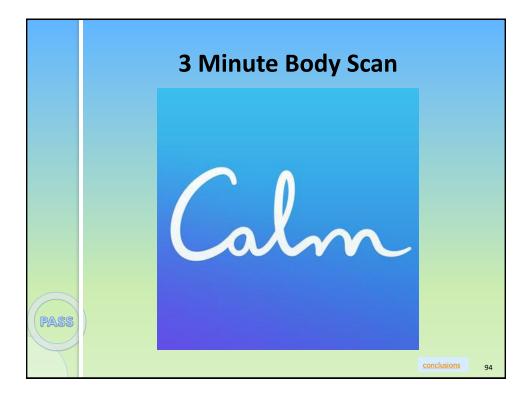
PASS

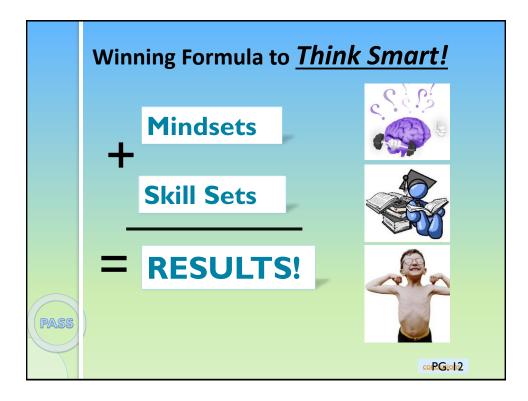
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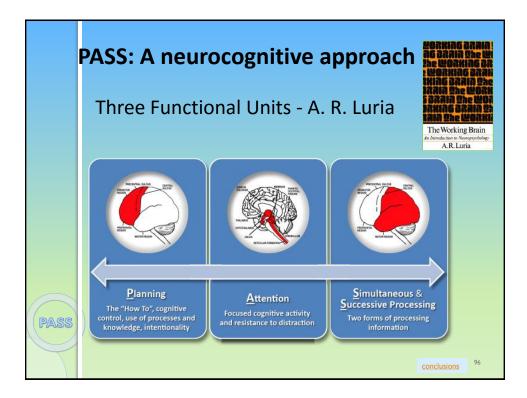


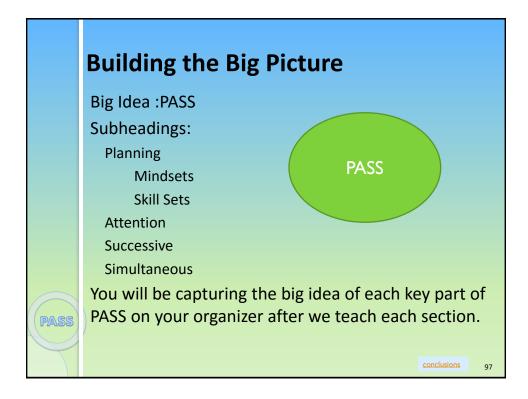


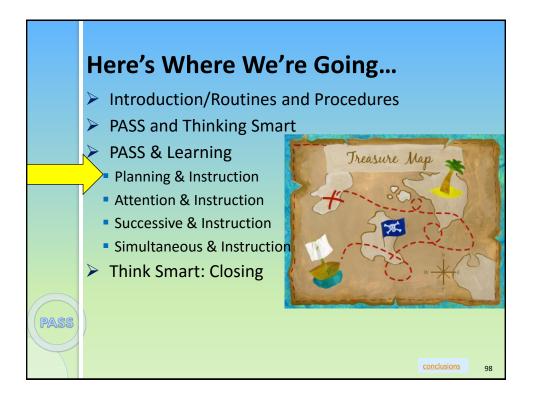




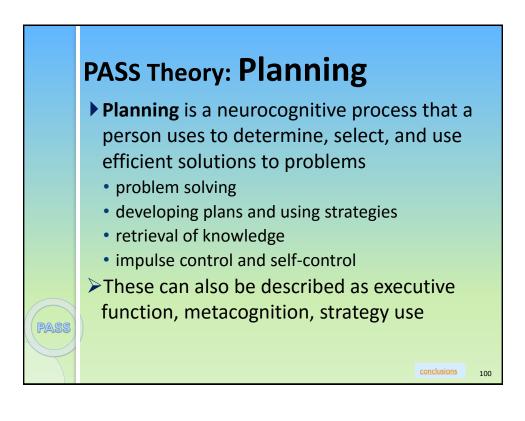


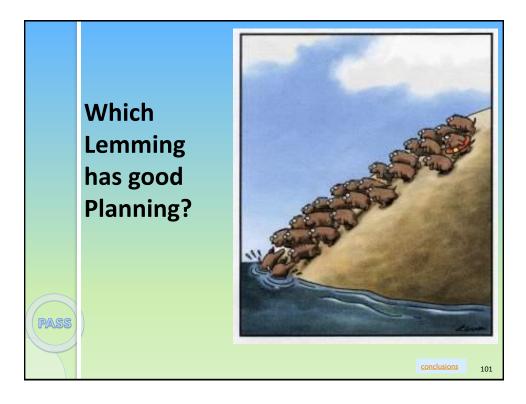




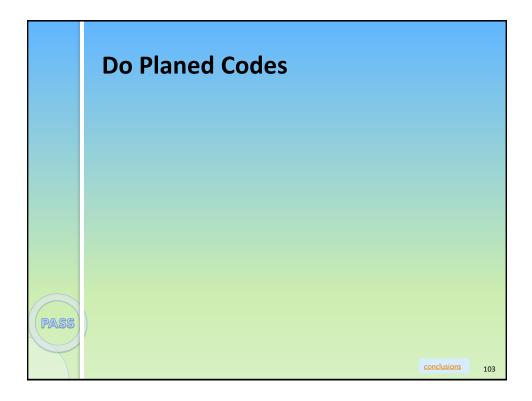


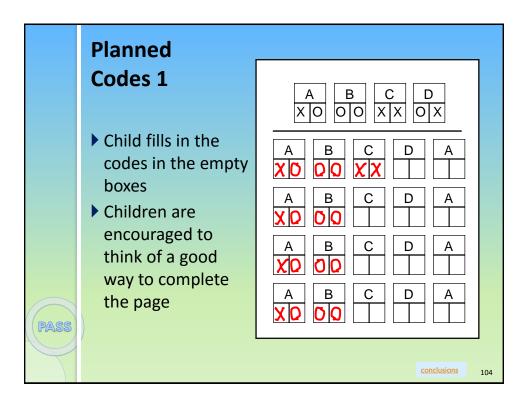


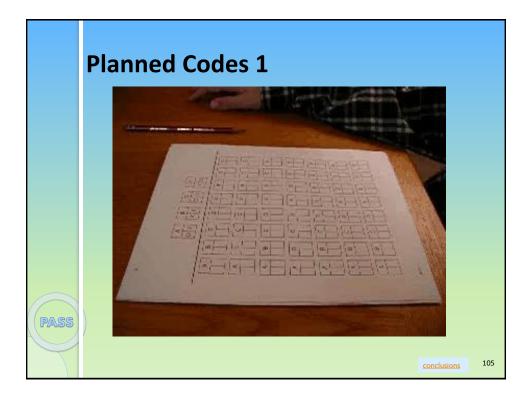


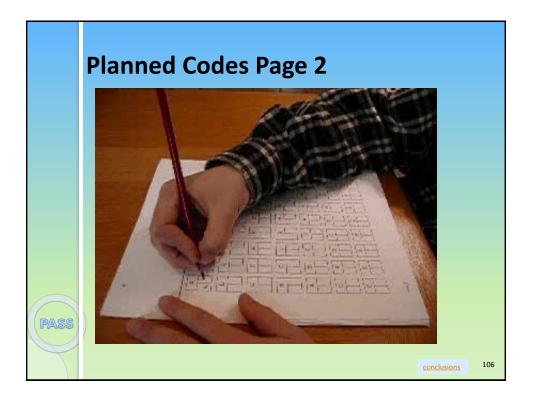


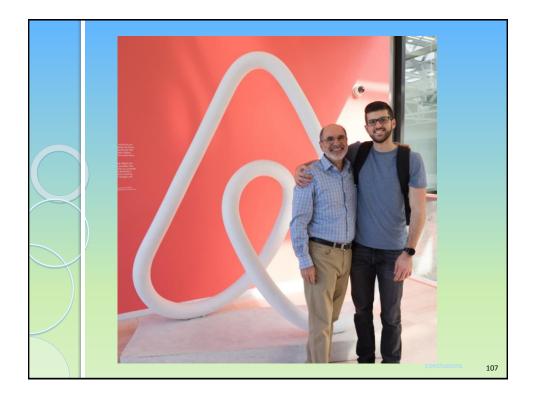
		CAS2: Rating Scale Pl	an	ni	ng		
	also as	ions for Items 1–10. These questions ask how well the child or adolescent decide k how well a child or adolescent thinks before acting and avoids impulsivity. Please ra nd strategies to solve problems.					
	Durin	g the past month, how often did the child or adolescent \ldots	Never	Rarely	Sometimes	Frequently	Always
	1.	produce a well-written sentence or a story?	0	1	2	3	4
	2.	evaluate his or her own actions?	0	1	2	3	4
	3.	produce several ways to solve a problem?	0	1	2	3	4
	4.	have many ideas about how to do things?	0	1	2	3	4
	5.	have a good idea about how to complete a task?	0	1	2	3	4
	6.	solve a problem with a new solution when the old one did not work?	0	1	2	3	4
	7.	use information from many sources when doing work?	0	1	2	3	4
		effectively solve new problems?	0	1	2	3	4
	9.	have well-described goals?	0	1	2	3	4
ł	10.	consider new ways to finish a task?	0	1	2	3	4
					+	 P	+= lanning Raw Score
							102

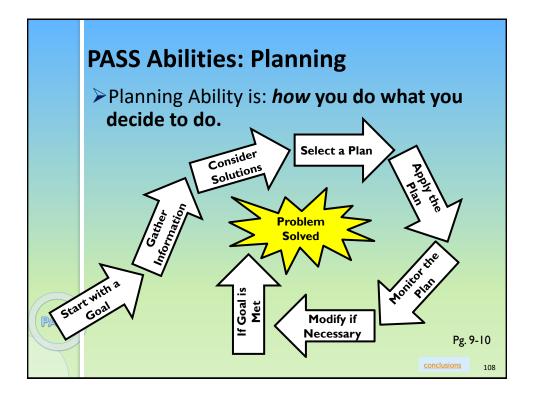






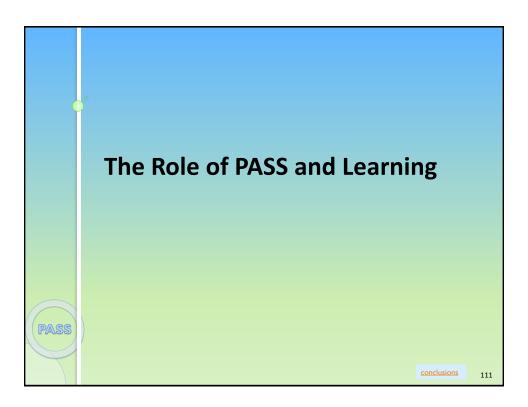


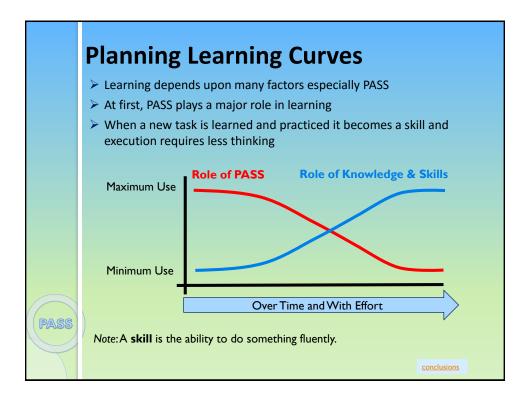


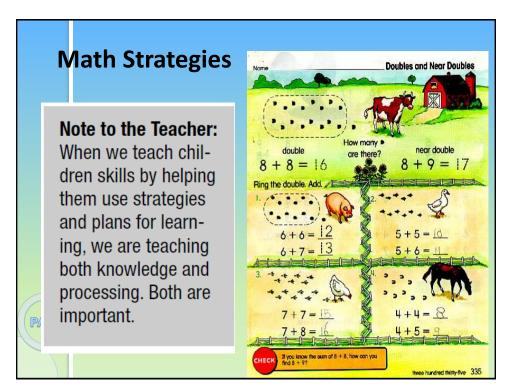


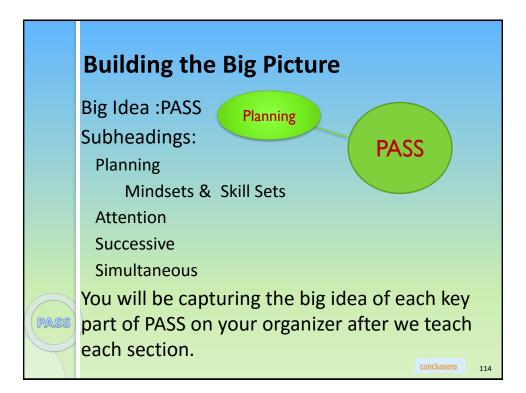


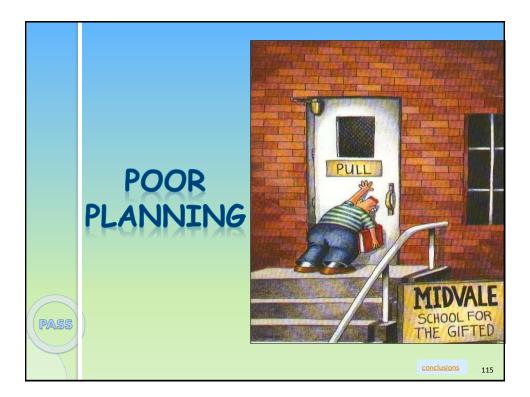


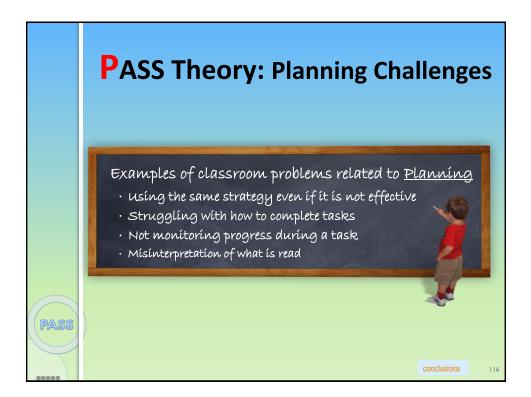


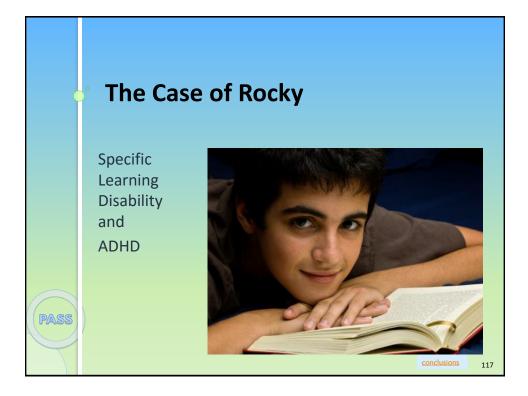


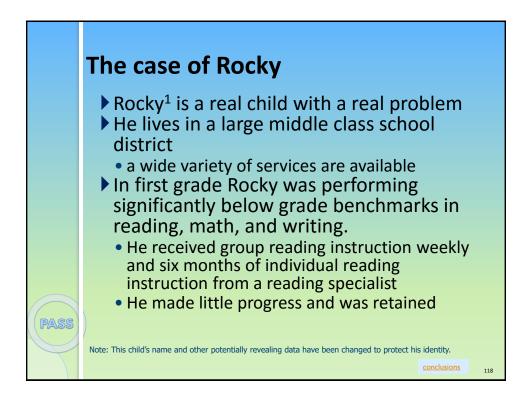


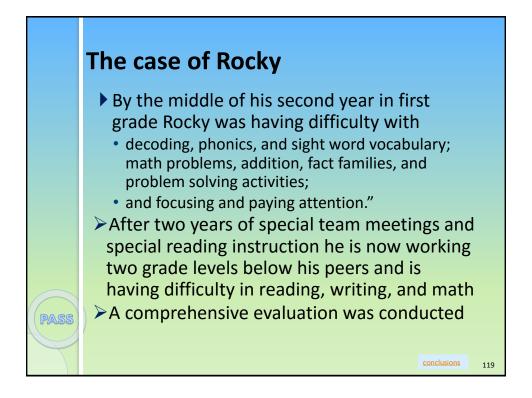


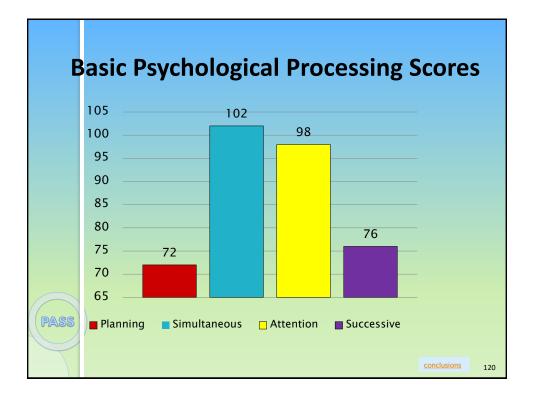




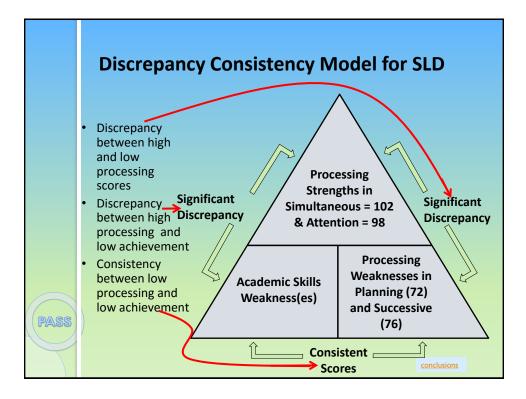


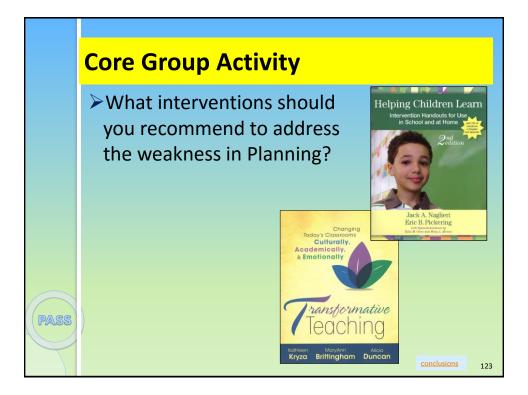


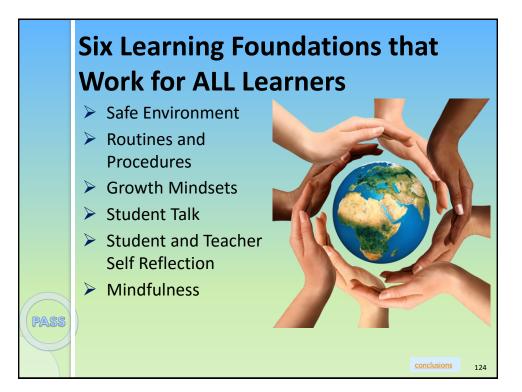




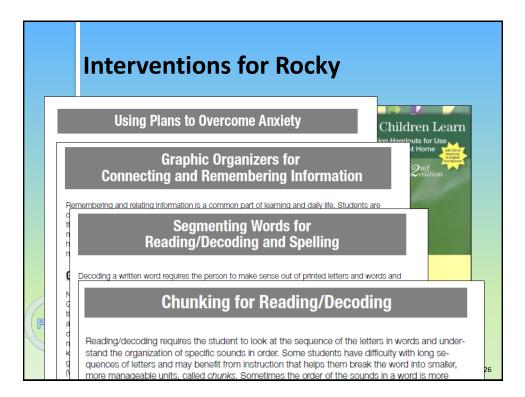
	The case of Rocky								
	 He has Planning and Successive weaknesses Met DSM for ADHD Met SLD definition a "disorder in one or more of the basic psychological processes" 								
PASS	S/W Weakness Weakness								
	PASS PASS mean 87.0								

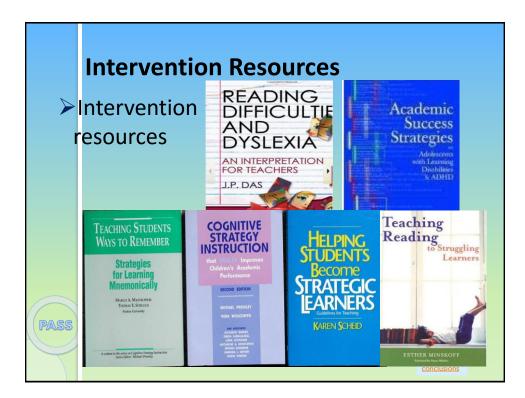


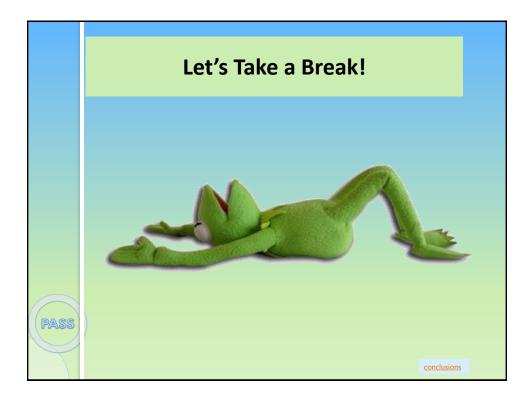


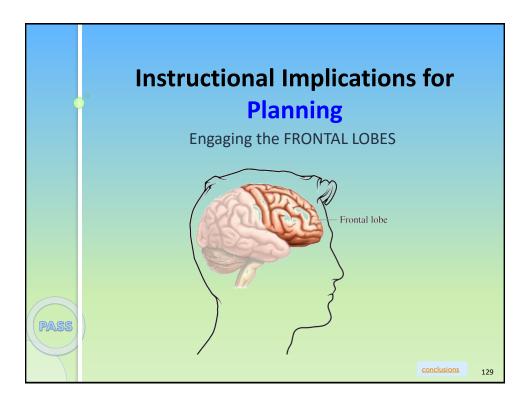


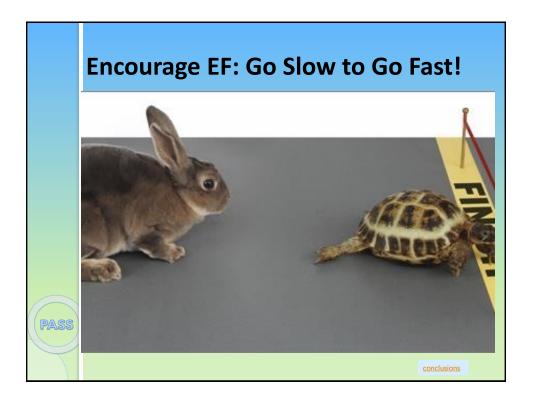


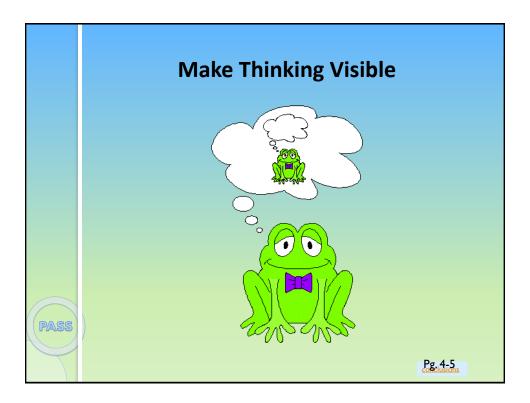


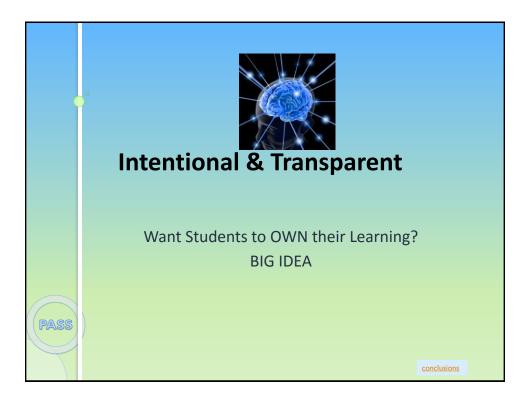


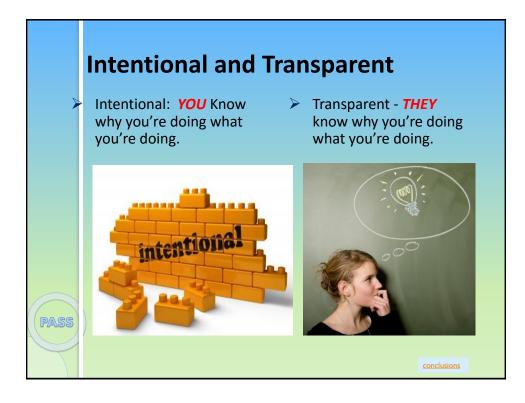


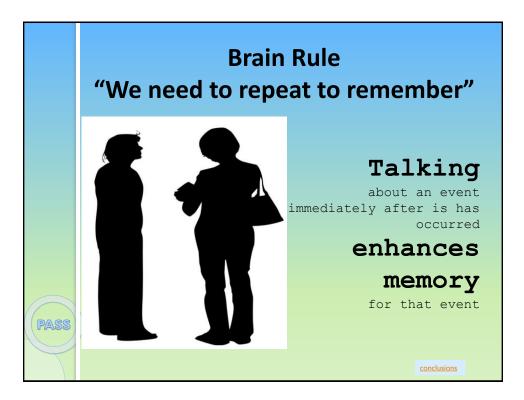


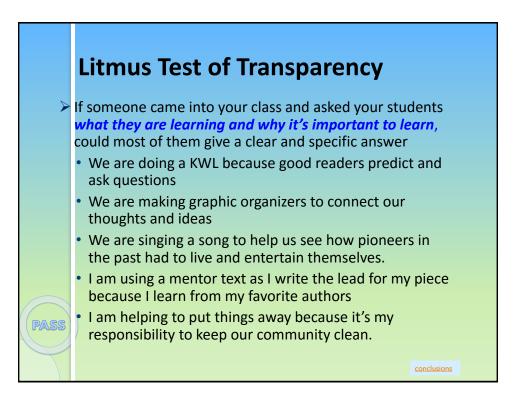


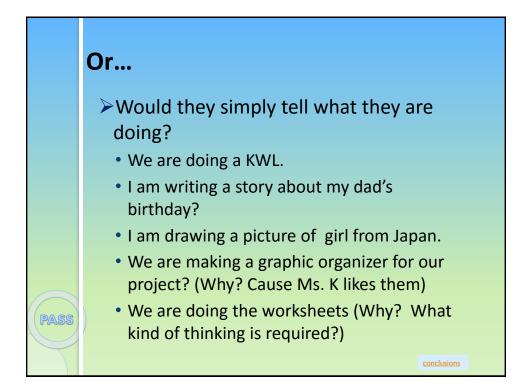












Teaching for Transfer

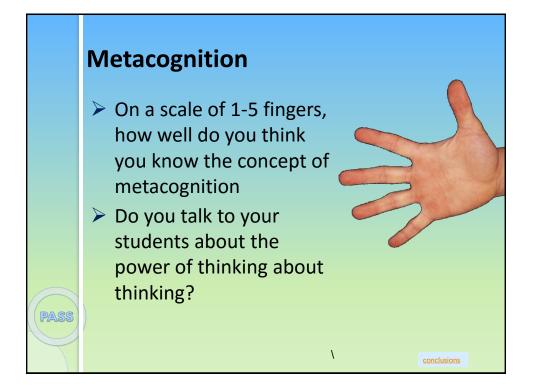
If we want learning to stick, we have to make it sticky.

ILS Make Learning Stick!

PASS



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Planning Planning Facilitation for Math Calculation Math calculation is a complex activity that involves recalling basic math facts, following procedures, working carefully, and checking one's work. Math calculation requires a careful (i.e., planful) approach to follow all of the necessary steps. Children who are good at math calculation can move on to more difficult math concepts and problem solving with greater ease than those who are having problems in this area. For children who have trouble with math calculation, a technique that helps them approach the task planfully is likely to be useful. Planning facilitation is such a technique. Planning facilitation helps students develop useful strategies to carefully complete math problems through discussion and shared discovery. It encourages students to think about how they solve problems, rather than just think about whether their answers are correct. This helps them develop careful ways of doing math. How to Teach Planning Facilitation Planning facilitation is provided in three 10-minute time periods: 1) 10 minutes of math, 2) 10 minutes of discussion, and 3) 10 more minutes of math. These steps can be described in more detail: PASS Step 1: The teacher should provide math worksheets for the students to complete in the first 10-minute session. This gives the children exposure to the problems and ways to solve them. The teacher gives each child a worksheet and says, "Here is a math worksheet for you to do. Please try to get as many of the problems correct as you can. You will have 10 minutes." Slight variations on this instruction are okay, but do not give any additional information.

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A Cognitive Strategy Instruction to Improve Math Calculation for Children With ADHD and LD: A Randomized Controlled Study Journal of Learning Disabilities 44(2) 184–195 © Hammill Institute on Disabilities 2011

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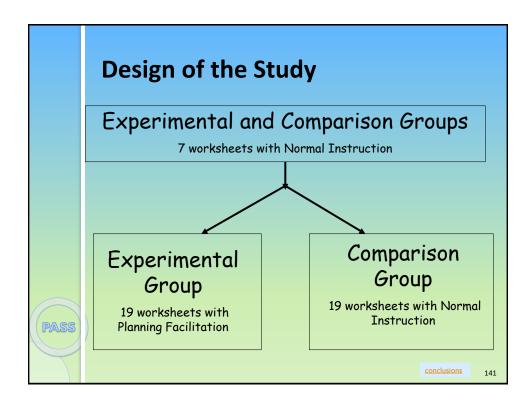
sagepub.com/journalsPermissions.nav DOI: 10.1177/0022219410391190 http://journaloflearningdisabilities .sagepub.com **SAGE**

Jackie S. Iseman¹ and Jack A. Naglieri¹

Abstract

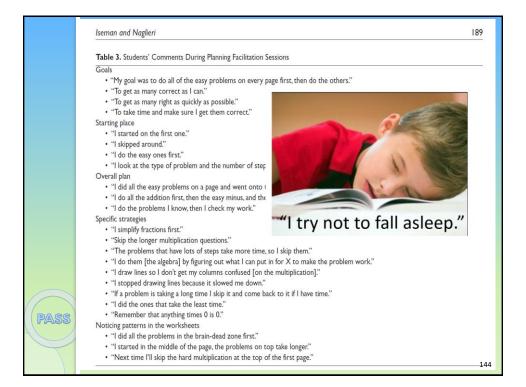
The authors examined the effectiveness of cognitive strategy instruction Successive) given by special education teachers to students with ADHD experimental group were exposed to a brief cognitive strategy instructi development and application of effective planning for mathematical comp standard math instruction. Standardized tests of cognitive processes students completed math worksheets throughout the experimental pl Johnson Tests of Achievement, Third Edition, Math Fluency and Wechsle Numerical Operations) were administered pre- and postintervention, a follow-up. Large pre-post effect sizes were found for students in the exp math worksheets (0.85 and 0.26), Math Fluency (1.17 and 0.09), and Nu At I year follow-up, the experimental group continued to outperform t students with ADHD evidenced greater improvement in math works (which measured the skill of generalizing learned strategies to other sin when provided the PASS-based cognitive strategy instruction.

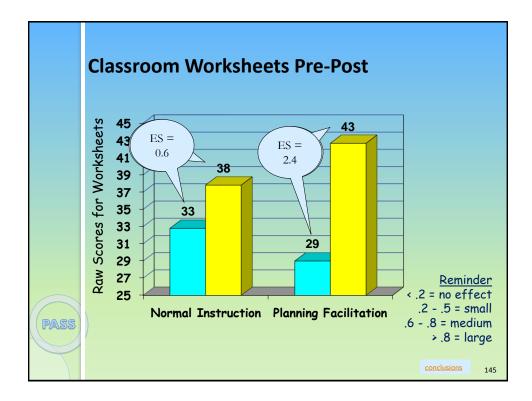


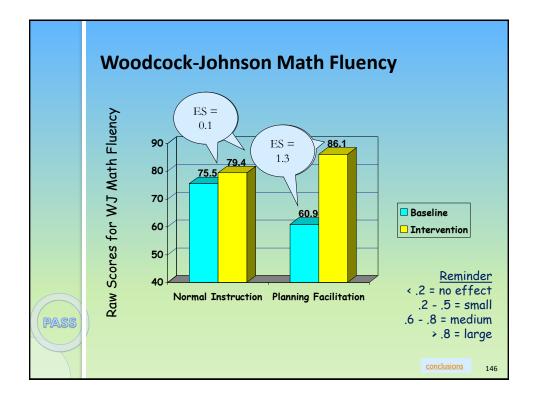


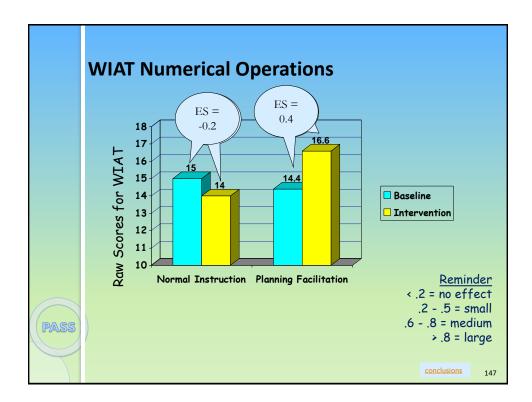
	Instructional Sessions									
	Math lessons were organized into "instructional sessions" delivered over 13 consecutive days									
	 Each instructional session was 30-40 minutes Each instructional session was comprised of three segments as shown below 									
	10 minutes 10-20 minutes 10 minutes									
PASS	10 minute math worksheet	Planning Facilitation or Normal Instruction	10 minute math worksheet							
			conclusions 142							

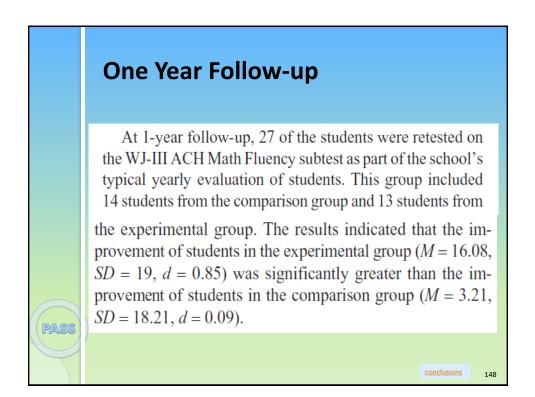


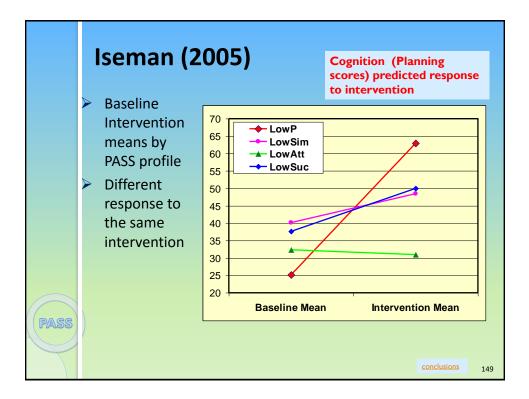


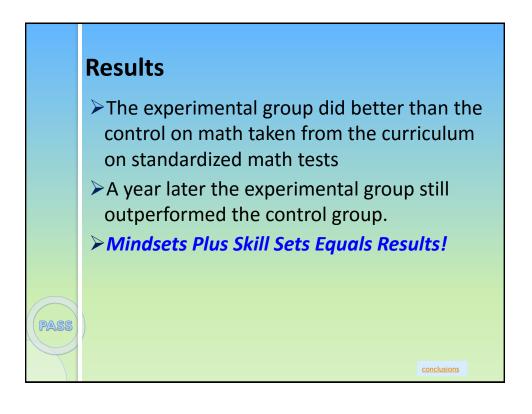


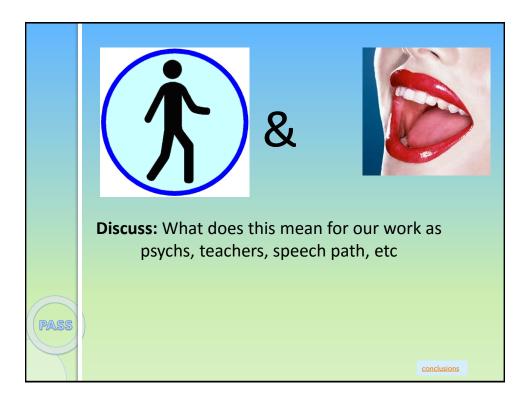


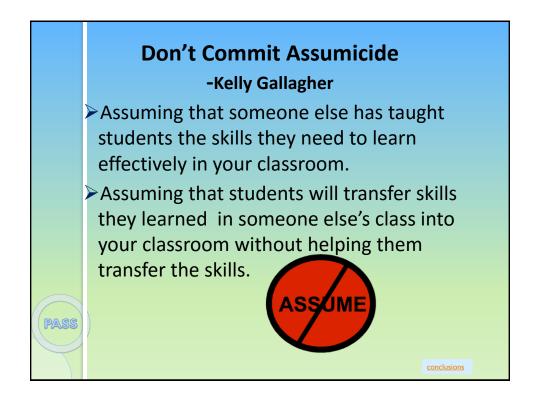


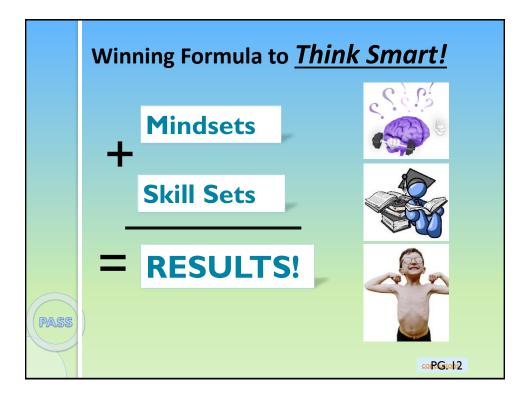




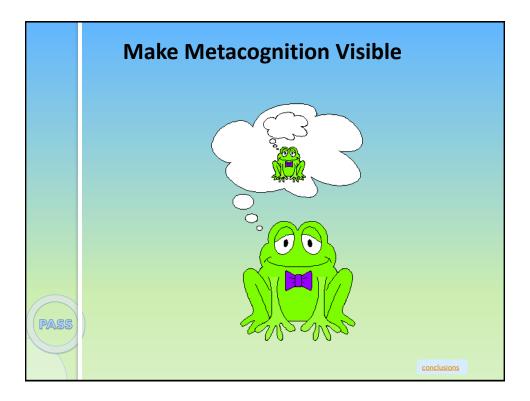




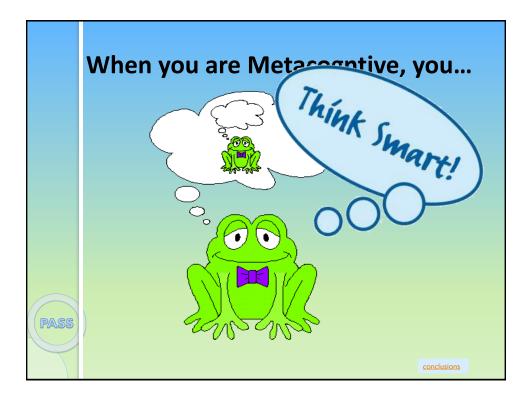


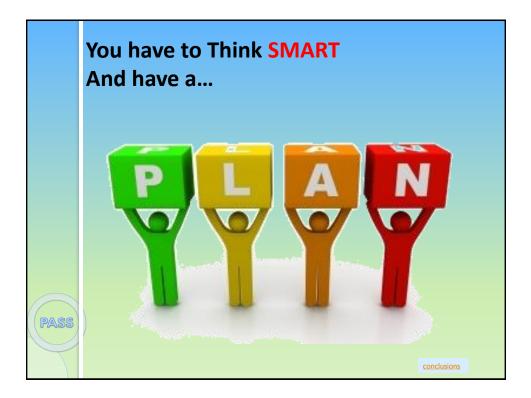


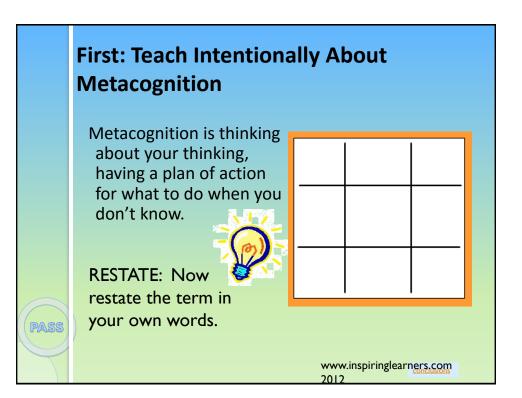


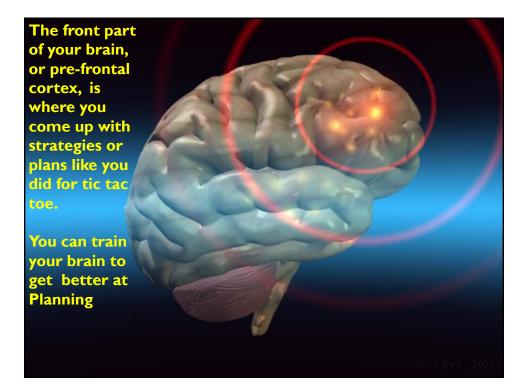


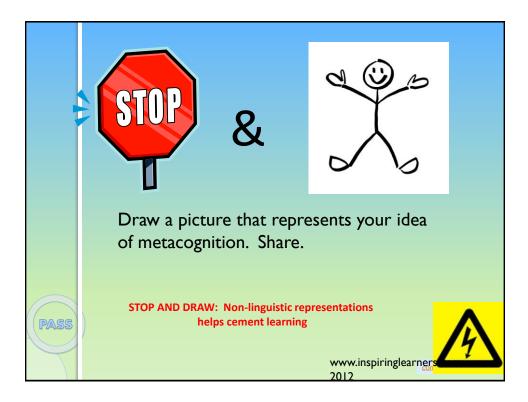


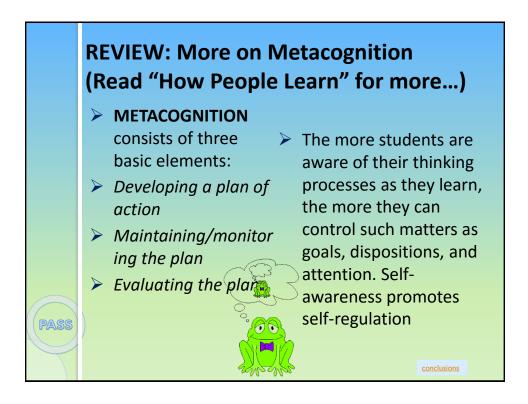


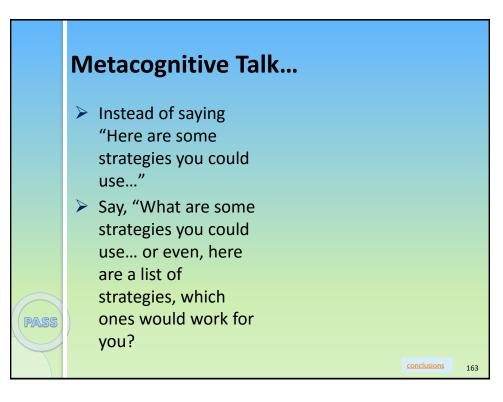


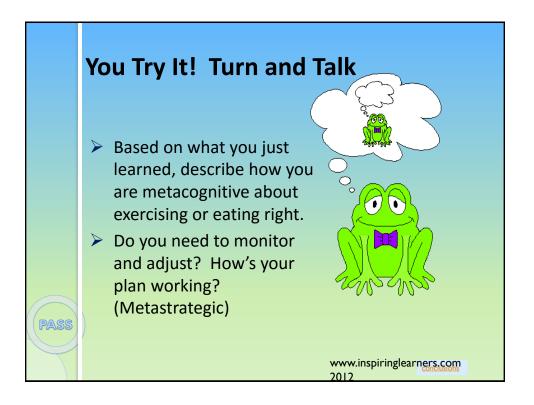




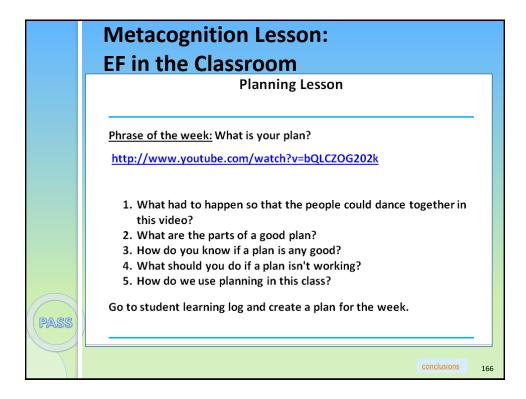






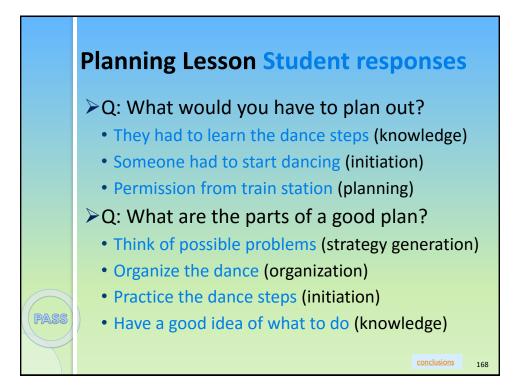


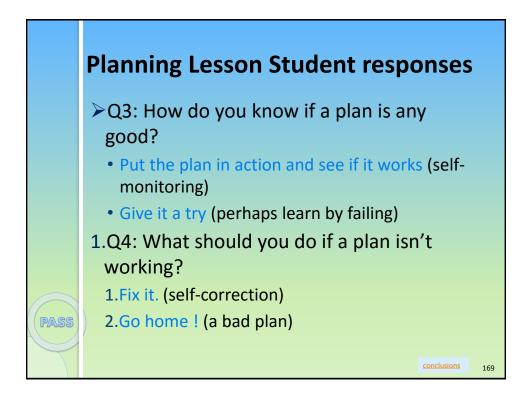


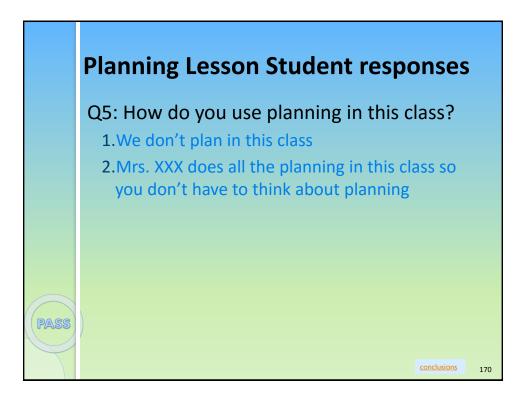


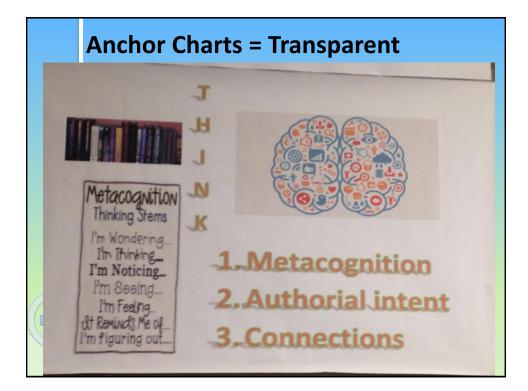
Students watched a Flash Mob at Antwerp train Station (2009)



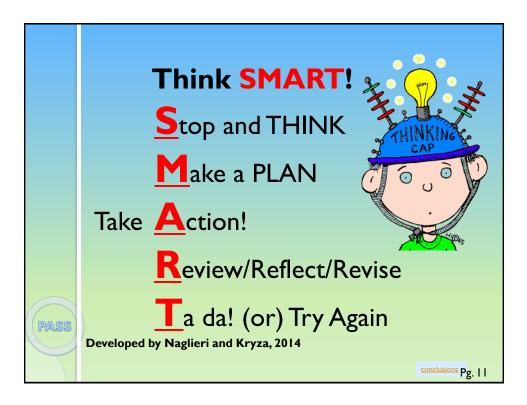


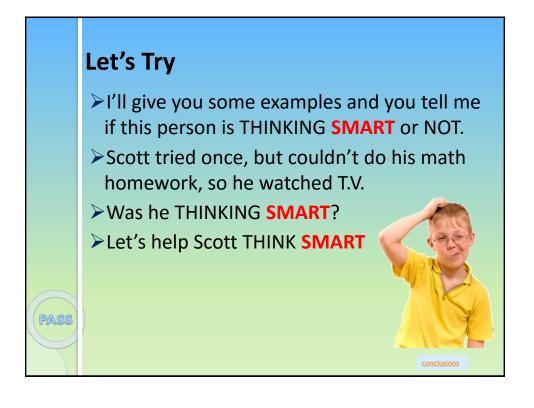


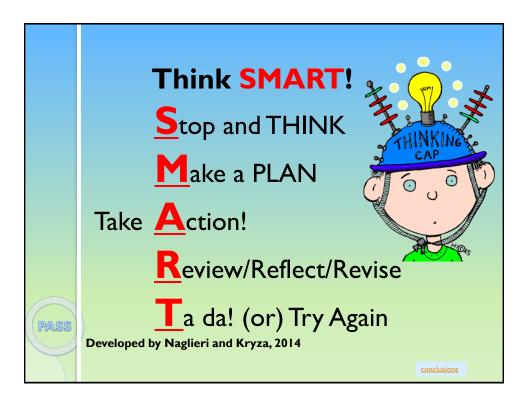




	Skill Set Anchor Chart: Making Thinking Visible
	What Strategies can you use when you become stuck in your learning?
	Ask for help Re-read Or - Read on
	Ask for Clarification/Explain better Use background knowledge Go back over what I'be/earned
	Look for Context Clues Think Hard!
PASS	Think about what I've done in the past. Stay Calm Pickout what I do understand
	conclusions





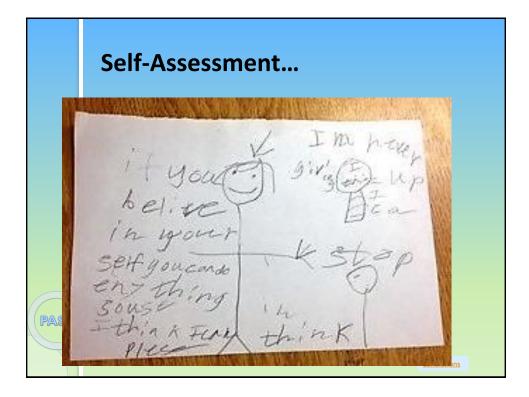




Think SMART Rap!

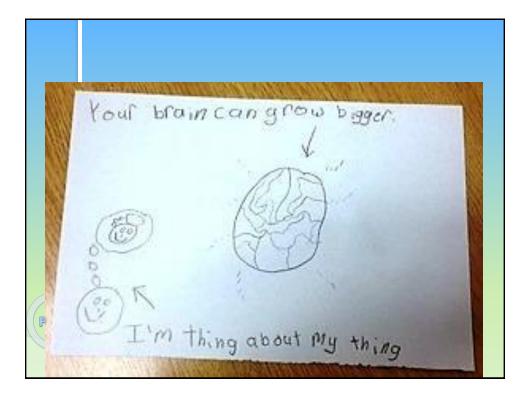
Think SMART! Here's how you START You THINK, "I CAN!" Then you make a PLAN Now give it GO, Watch your brain GROW! So now YOU KNOW... THINK SMART! Peace out!

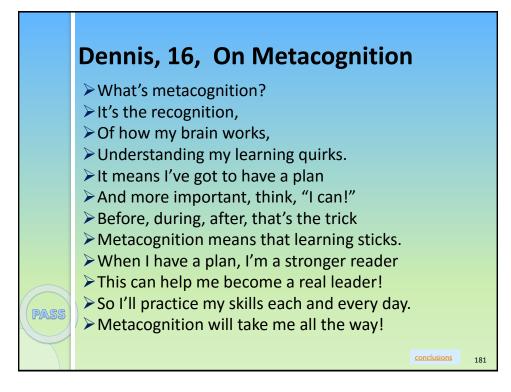
PASS



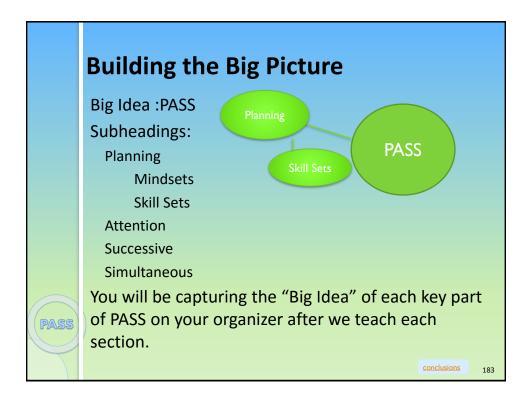
conclusions

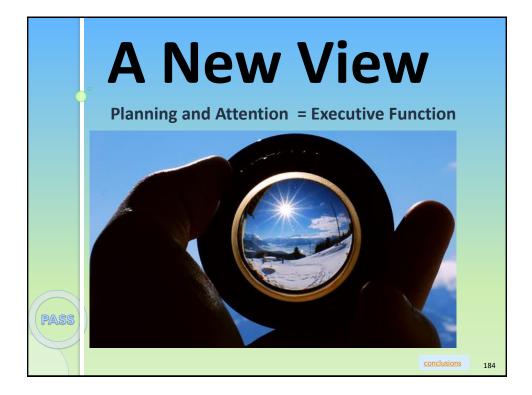
Gever Dive profiontle . POHex Porth of brain whate you think







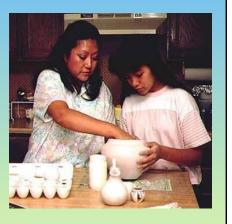




Self Regulation/Executive Function

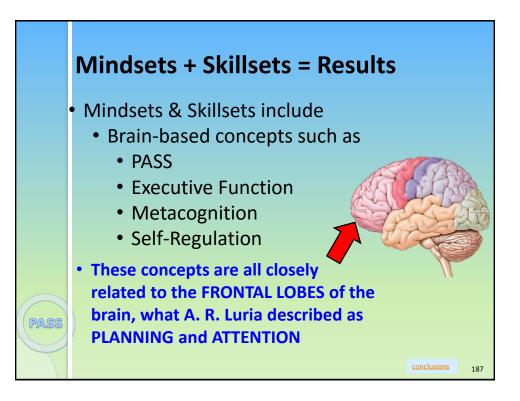
- Self Regulation is a deep, internal mechanism that enables children to engage in mindful, intentional and thoughtful behaviors.
 - Elena Bodrvoa and Deborah J. Leong
- Self-Regulation is a Skill that is Taught, it does not emerge naturally.

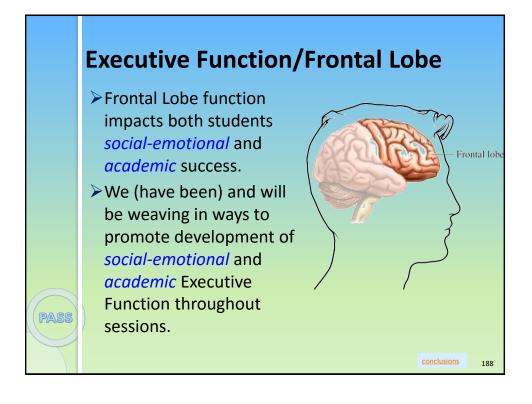
PASS

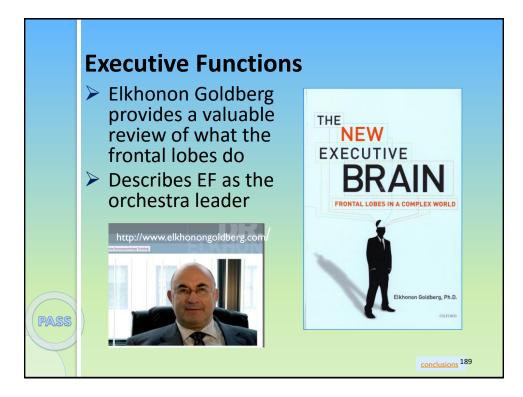


conclusions

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Jack A. Naglieri Sam Goldstein

PASS

A rating scale designed to measure behaviors association with Executive Function for ages 5-18 years rated by a parent, teacher, or the child/youth.



