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Table of contents

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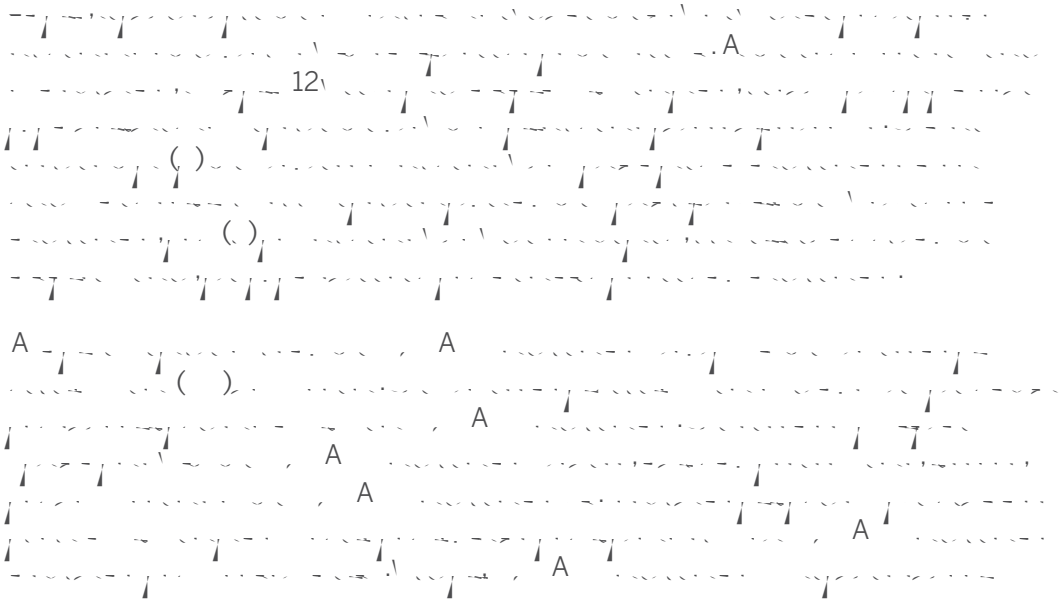

Table of contents

Table of contents

Participants

Treatment schools

Intervention procedures

Training of school personnel

Table of contents

0.75,
0.66, (
1). 0.77 (, 2008).
0.78 0.86,
0.75 0.85, (0)40 (.)40 (8)3 (5)• (. 0)40 (.)47 (7)17 (7)18).

5..8( )-70.1( ) / <</A <, 4, 073 (( ) 3 56.•81 0 (6 ()80, -23. 3)1)2.0()( ) /21 1 0 0

Table of contents

Phoneme Segmentation Fluency (PSF)

(, & , 2001).

(& , 1••6).

/ / / / /_
. A

0.44 0.78
0.•5 0.•8.
A 0.24 0.34 (,
2013).

Nonsense Word Fluency (NWF)

( ) ( )
( )

_(, 2004, .138).

( ).

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Table of contents

( )10.1 ( )10 ( )20.1
( )• ( ) 0.1 -36 ( )• ( )•1)25 ( )15.1 ( )2• (( ) 0 -1.4 (( )2• (
.301 0.1 ( )• ( )21 ( )10 (301 0.1 ( )20 ( )• (( )15.1 ( )2• ( )10.1 ( )10 (

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Table of contents

Decoding (DEC)

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(, & , 2004).

- ( )
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- ( )

0.62 0.86
( ) 0.68 0.•3
0.53 0.60.
0.31 0.71 0.48
0.78.

Table of contents

0.63 0.82 -
( ) 0.70 0.84
0.54 0.63.
0.37 0.73
0.44 0.71.

A 0.63 0.8• -
( ) 0.83 0.•2
0.45 0.6•.
0.28 0.77
0.46 0.80.

0.40 0.86 - (
) 0.71 0.•2
0.47 0.64. 0.18 0.74
0.44 0.7•.

Vocabulary (VOC)

3.

15 30

15.

0.3• 0.•3 -
( ) 0.35 0.••
0.22 0.6•.
0.20 0.50
0.26 0.72.

Table of contents

Comprehension skills (mCLASS Intervention CS)

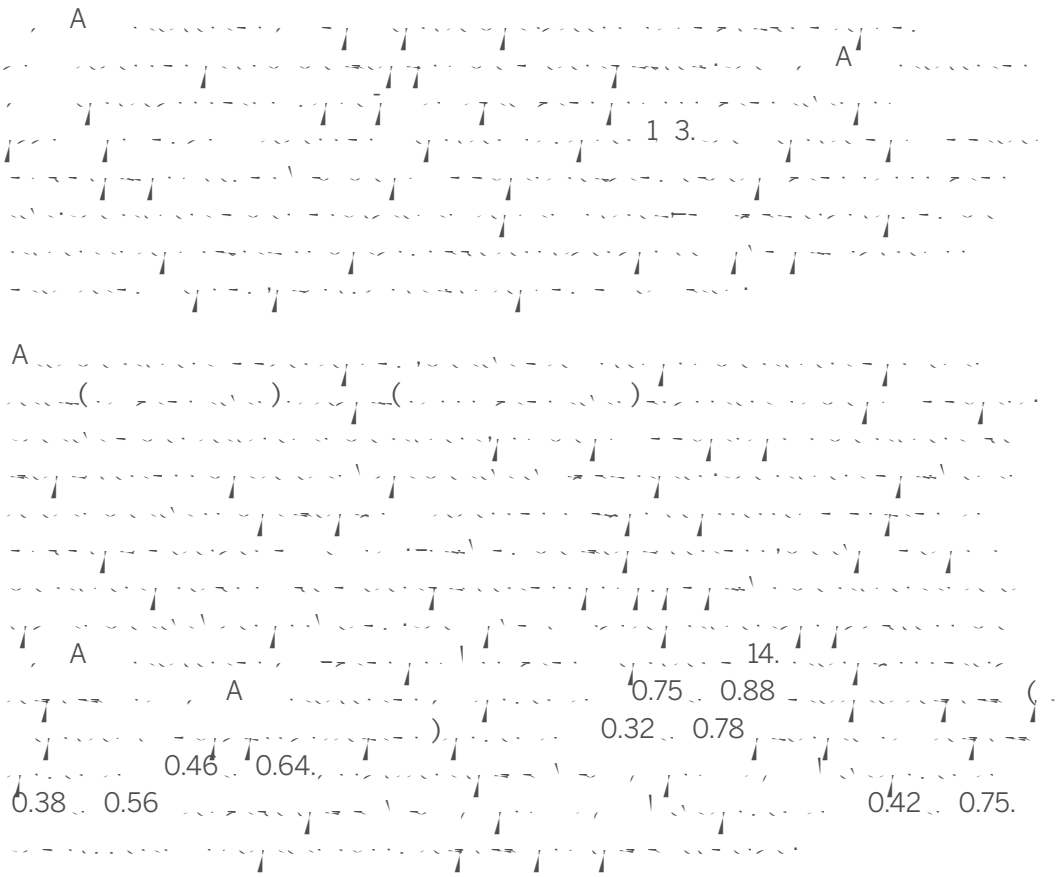

Table of contents

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Participants

Table of contents

Table of contents

Table of contents

Table of contents

Table of contents

Table of contents

Table of contents

Table of contents

Figure 1. The mCLASS Intervention Skills-Based Model.

Table of contents

Table 1 | Alignment of Instructional Strands to Hexagons in the mCLASS Intervention Skills- Based Model.

Skill	Strand Abbrev.	Strand	Strand Goal
			100%

Table of contents

Table of contents

Table of contents

Table of contents

Table 5 | Percentage of students below national norm percentiles by experimental group and grade

Grade (DIBELS CS at Percentile)	Treatment	Control
XIII. 25th Percentile		
(10)	4•.70%	46.64%
1 (•4)	62.•6%	55.68%
2 (125)	84.88%	83.30%
3 (1•1)	78.48%	78.•3%
XIV. 30th Percentile		
(14)	62.46%	60.70%
1 (100)	71.01%	67.03%
2 (138)	•7.2•%	•7.5•%
3 (20•)	•1.14%	•1.61%

Table 6 | DIBELS Next pretest composite scores by grade and condition.

Measures (Name)	Treatment			Control		
	n	Mean	Standard Deviation	n	Mean	Standard Deviation
VII. Grade Level						
	666	10.34	8.08	654	10.•8	8.36
1	621	7•.11	26.4	643	83.2	

Table of contents

Table 7 | Student growth percentiles by grade, TOY, and condition.

Grade	N of Students (mCLASS Intervention Schools)	N of Students (Control Schools)	Median SGP (mCLASS Intervention Schools)	Median SGP (Control Schools)	Significance Test (Wilcox Z)
A_	2003	201•	53	48	3.83 (< 0.05)
.	588	567	5•	51	2.57 (< 0.05)
1	556	557	50	43	2.3• (< 0.05)
2	458	446	53.5	45.5	2.5• (< 0.05)
3	401	44•	50	51	0.11 (. .. .)

Table of contents

Table 8 | Post-test results for DIBELS Next and SEL: full sample.

Measure Name	Variables	Burst	Control	Significance Test
[illegible] 1	[illegible]	33.•3	31.41	[illegible] (1110) 3.38, [illegible] < 0.05, [illegible] 0.30
	A [illegible]	34.8	30.55	
	[illegible]	24.1	22.74	
	[illegible]	556	557	
[illegible] 2	[illegible]	54.•1	4•.63	[illegible] (•01) 4.15, [illegible] < 0.05, [illegible] 0.27
	A [illegible]	54.48	50.07	
	[illegible]	24.•3	23.•4	
	[illegible]	458	446	
[illegible] 3	[illegible]	70.63	71.1•	[illegible] (847) 1.1•, [illegible] [illegible] 0.08
	A [illegible]	70.14	71.63	
	[illegible]	28.56	28.47	
	[illegible]	401	44•	
A, 3	[illegible]	12.43	12.08	[illegible] (847) 0.41, [illegible] [illegible] 0.03
	A [illegible]	12.33	12.17	
	[illegible]	6.•8	7.2	
	[illegible]	401	44•	

Table of contents

Table of contents

Table 9 | Post-test results for DIBELS N

Table 9 | Post-test results for DIBELS Next and SEL: Subgroup DIBELS CS BOY below 20th percentile.

Measure Name	Variables	Burst	Control	Significance Test
\ _ 2	[illegible]	46.24	41.2	(636) 2.•5, < 0.05, 0.21
	A [illegible]	45.56	41.•	
	[illegible]	22.•1	20.63	
	[illegible]	324	315	
\ _ 3	[illegible]	58.02	60.0•	(522) 1.61, 0.10
	A [illegible]	57.8	60.27	
	[illegible]	27.44	26.•4	
	[illegible]	244	281	
A , 3	[illegible]	•.8•	•.67	(522) 0.33, 0.03
	A [illegible]	•.85	•.71	
	[illegible]	6.26	6.36	
	[illegible]	244	281	

Table of contents

Table 10 | Post-test Results for DIBELS Next and SEL: White students.

Measure Name	Variables	Burst	Control	Significance Test
[illegible]	[illegible]	121.25	120.06	[illegible] (642) 0.75, [illegible] 0.07
	A [illegible]	121.78	11•.37	
	[illegible]	44.53	41.83	
	[illegible]			
	[illegible]	366	27•	
[illegible] 1				

Table 10 | Post-test Results for DIBELS Next and SEL: White students.

Measure Name	Variables	Burst	Control	Significance Test
A [illegible] 3	[illegible]	7•0.3•	7•6.67	(432) 0.76, .004 ( ) •.641 .4 8 (()40 8 31.

Table 10 | Post-test Results for DIBELS Next and SEL: White students.

Measure Name	Variables	Burst	Control	Significance Test
\ _ 1	_	34.34	32.02	(5••) 3.38, < 0.05, 0.30
	A	35.•2	30.22	
	_	23.•2	22.57	
	.	321	281	
\ _ 2	_	56.47	53.12	(463) 2.34, < 0.05, 0.15
	A	56.52	53.05	
	_	25.31	24.72	
	.	271	1•5	
\ _ 3	_	70.66	76.3•	(457) 2.34, < 0.05, 0.14
	A	71.42	75.2•	
	_	28.53	28	
	.	272	188	
A , 3	_	12.85	13.78	(457) 1.0•, 0.0•
	A	12.••	13.57	
	_	7.17	6.•2	
	.	272	188	

Table of contents

Table of contents

Table 11 | Post-test Results for DIBELS Next and SEL: Black students.

Measure Name	Variables	Burst	Control	Significance Test
		46.54	38.8•	
	A	46.44	38.•6	(166) 3.15,
		15.31	16.•4	< 0.05,
				0.2•
		72	•7	
		44.25	31.51	
	A	44.13	31.5•	(166) 4.32,
		23.21	16.86	< 0.05,
				0.41
		72	•7	
		32.•2	28.71	
	A	32.87	28.75	(166) 1.66,
		15.•8	16.2	
				0.16
		72	•7	
		42.5•	41.77	
1				(204) 0.24,
				0.02 41.8 0 683 ()1•

Table of contents

Table 12 | Post-test Results for DIBELS Next and SEL: Hispanic students.

Measure Name	Variables	Burst	Control	Significance Test
		137.1	117.8	
	A	137.28	117.68	(151) 2.83,
		46.18	41.86	< 0.05,
		61	•3	0.27
1		137.32	•3.14	
	A	141.17	•0.62	(164) 4.75,
		73.1	73.36	< 0.05,
		66	101	0.44
2		1•0.05	150.78	
	A	171.08	160.4	(107) 0.•3,
		86	8•.71	,
		37	73	0.06
3		263.3•	244.54	
	A	254.65	24•.13	(87) 0.46,
		•6.•8	•7.73	,
		31	5•	0.03
A		612.67	5•4.2	
	A	613.88	5•3.36	(144) 1.25,
		106.86	•8.31	,
		60	87	0.12
A 1		707.87	661.63	
	A	713.84	657.76	(157) 3.76,
		10•.23	••.53	< 0.05,
		63	•7	0.34
A 2		76. 8(0)40 (.34)	-34.617 3.683 (A)1• ( )10 ( )• ( )•.1 ( )	-0.02• 0.02• 11.5

Table of contents

Table of contents

Table 13 | Post-test Results for DIBELS Next and SEL: English as a second language students.

Measure Name	Variables	Burst	Control	Significance Test
		116.67	118.02	
	A	117.1	117.05	(327) 0.01,
		45.•3	46.•5	
				0.00
		22•	101	
1		105.38	8•.3	
	A	105.88	88.72	(325) 2.54,
		75.58	71.65	< 0.05,
				0.21
		176	152	
2		15•.51	132.08	
	A	150.36	146.53	(22•) 0.58,
		86.•2	83.04	
				0.03
		142	•0	
3		245.07	236.••	
	A	237.04	248.•1	(238) 1.46,
		11•.1•	104.76	
				0.08
		144	•7	
A		620.01	620.82	
	A	621.07	618.38	(304) 0.22,
		101.76	105.33	
				0.02
		214	•3	
A 1		666.65	654.86	
	A	667.72	653.68	(30•) 1.30,
		110.85	105.•3	
				0.11
		164	148	
A 2		731.41	708.7•	
	A	724.24	71•.67	(211) 0.44,
		88.•7	•5.26	
				0.03
		12•	85	
A 3		784.6	777.16	
	A	77•.•7	783.53	(223) 0.37,
		81.12	80.57	
				0.03
		131	•5	

Table of contents

Table of contents

Table 14 | Post-test Results for DIBELS Next and SEL: Students receiving subsidized lunch.

Measure Name	Variables	Burst	Control

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