



Data Interpretation Guide

KINDERGARTEN 2016-2017

Christopher Parker, Ph.D.
IDEAL Consulting Services, Inc.

(508) 636-6615

(866) 254-6136

cparker@idealconsultingservices.com

www.idealconsultingservices.com



Established Benchmarks Levels

Kindergarten

Measure	Beginning of Year		Middle of Year		End of Year	
	Performance	Benchmark Status	Performance	Benchmark Status	Performance	Benchmark Status
LNF	0 - 1	Well Below	0 - 14	Well Below	0 - 28	Well Below
	2 - 7	Below	15 - 26	Below	29 - 39	Below
	≥ 8	At/Above	≥ 27	At/Above	≥ 40	At/Above
ISF	0 - 3	Well Below	0 - 9	Well Below		
	4 - 7	Below	10 - 24	Below		
	≥ 8	At/Above	≥ 25	At/Above		
FSF	0 - 4	Well Below	0 - 19	Well Below		
	5 - 9	Below	20 - 29	Below		
	≥ 10	At/Above	≥ 30	At/Above		
PSF			0 - 9	Well Below	0 - 24	Well Below
			10 - 19	Below	25 - 39	Below
			≥ 20	At/Above	≥ 40	At/Above
NWF-CLS			0 - 7	Well Below	0 - 14	Well Below
			8 - 16	Below	15 - 27	Below
			≥ 17	At/Above	≥ 28	At/Above

Massachusetts Public Schools' Norms: *Kindergarten*

Subtest	Well Above Average	Above Average	Average	Low Average	Below Average	Well Below Average
Fall						
■ LNF	≥ 44	34-43	16-33	8-15	2-7	≤ 1
■ ISF	≥ 30	22-29	10-21	7-9	3-6	≤ 2
■ FSF	≥ 34	25-33	7-24	1-6	0	--
Winter						
■ LNF	≥ 63	54-62	39-53	32-38	21-31	≤ 20
■ ISF	≥ 52	41-51	27-40	22-26	16-21	≤ 15
■ FSF	≥ 59	52-58	39-51	32-38	21-31	≤ 20
■ PSF	≥ 59	51-58	33-50	19-32	9-18	≤ 8
■ NWF-CLS	≥ 47	35-46	22-34	16-21	9-15	≤ 8
■ NWF-WWR	≥ 10	3-9	1-2	0	--	--
Spring						
■ LNF	≥ 74	66-73	51-65	44-50	35-43	≤ 34
■ PSF	≥ 72	64-71	52-63	46-51	34-45	≤ 33
■ NWF-CLS	≥ 76	54-75	34-53	28-33	21-27	≤ 20
■ NWF-WWR	≥ 25	16-24	3-15	1-2	0	--

Benchmarks for FAST early Reading Kindergarten

Measure	Fall		Winter		Spring	
	Performance	Benchmark Status	Performance	Benchmark Status	Performance	Benchmark Status
Concepts of Print	0 - 5	Well Below				
	6 - 7	Below				
	≥ 8	At/Above				
Onset Sounds	0 - 6	Well Below	0 - 13	Well Below		
	7 - 11	Below	14 - 15	Below		
	≥ 12	At/Above	≥ 16	At/Above		
Letter Names	0 - 6	Well Below	0 - 29	Well Below	0 - 37	Well Below
	7 - 19	Below	30-41	Below	38-49	Below
	≥ 20	At/Above	≥ 42	At/Above	≥ 50	At/Above
Letter Sounds	0	Well Below	0 - 17	Well Below	0 - 29	Well Below
	1 - 4	Below	18 - 27	Below	30 - 40	Below
	≥ 5	At/Above	≥ 28	At/Above	≥ 41	At/Above
Word Segmenting			0 - 14	Well Below	0 - 25	Well Below
			15 - 24	Below	26 - 29	Below
			≥ 25	At/Above	≥ 30	At/Above
Sight Words					0 - 6	Well Below
					7 - 19	Below
					≥ 20	At/Above
Composite	0 - 28	Well Below	0 - 43	Well Below	0 - 55	Well Below
	29 - 33	Below	44 - 50	Below	56 - 63	Below
	≥ 34	At/Above	≥ 51	At/Above	≥ 64	At/Above

FAST earlyReading Norms: *Kindergarten*

Subtest	Well Above Average	Above Average	Average	Low Average	Below Average	Well Below Average
Fall						
■ Concepts of Print	≥ 12	11	8-10	7	5-6	≤ 4
■ Onset Sounds	N/A	16	12-15	9-11	6-8	≤ 5
■ Letter Names	≥ 43	36-42	20-35	12-19	5-11	≤ 4
■ Letter Sounds	≥ 22	16-21	5-15	3-4	1-2	0
Winter						
■ Concepts of Print	N/A	N/A	11-12	10	8-9	≤ 7
■ Onset Sounds	N/A	N/A	16	15	13-14	≤ 12
■ Letter Names	≥ 64	57-63	42-56	36-41	26-35	≤ 25
■ Letter Sounds	≥ 50	43-49	28-42	23-27	14-22	≤ 13
■ Word Segmenting	≥ 32	31	25-30	21-24	12-20	≤ 11
■ Nonsense Words	≥ 15	13-14	7-12	5-6	2-4	≤ 1
■ Decodable Words	≥ 14	10-13	4-9	2-3	0-1	N/A
Spring						
■ Concepts of Print	N/A	N/A	12	11	9-10	≤ 8
■ Letter Names	≥ 70	63-69	50-62	43-49	35-42	≤ 34
■ Letter Sounds	≥ 61	54-60	41-53	35-40	27-34	≤ 26
■ Word Segmenting	≥ 34	33	30-32	28-29	24-27	≤ 23
■ Nonsense Words	≥ 22	19-21	12-18	10-11	7-9	≤ 6
■ Decodable Words	≥ 30	20-29	10-19	7-9	3-6	≤ 2
■ Sight Words	≥ 60	48-59	20-47	12-19	5-11	≤ 4

Benchmarks for FAST Adaptive Measures-Kindergarten

Measure	Fall		Winter		Spring	
	Performance	Benchmark Status	Performance	Benchmark Status	Performance	Benchmark Status
aReading	0 - 371	Well Below	0 - 390	Well Below	0 - 415	Well Below
	372 - 385	Below	391 - 416	Below	416 - 433	Below
	≥ 386	At/Above	≥ 417	At/Above	≥ 434	At/Above
aMath	0 - 172	Well Below	0 - 177	Well Below	0 - 183	Well Below
	173 - 177	Below	178 - 183	Below	184 - 187	Below
	≥ 178	At/Above	≥ 184	At/Above	≥ 188	At/Above

National FAST Norms: *Kindergarten*

Subtest	Well Above Average	Above Average	Average	Low Average	Below Average	Well Below Average
Fall						
FAST aReading	≥ 421	409-420	386-408	378-385	369-377	≤ 368
FAST aMath	≥ 187	185-186	178-184	176-177	172-175	≤ 171
Winter						
FAST aReading	≥ 444	437-443	417-436	404-416	386-403	≤ 385
FAST aMath	≥ 191	190	185-189	181-184	177-180	≤ 176
Spring						
FAST aReading	≥ 459	448-458	434-447	426-433	408-425	≤ 407
FAST aMath	≥ 195	193-194	189-192	187-188	183-186	≤ 182

Expected Weekly Growth Rates for *Critical Early Literacy Skills*

KINDERGARTEN		
Subtest	Realistic	Ambitious
Letter Naming Fluency	0.93	1.14
Initial Sound Fluency	0.49	0.78
First Sound Fluency	1.45	1.84
Phoneme Segmentation Fluency	0.92	1.25
Nonsense Word Fluency (CLS)*	0.80	1.30
Nonsense Word Fluency (WWR)	0.33	0.70

* From C. Parker (2003). [Utilizing general outcome measures to examine the weekly growth rates of kindergartners' early literacy skills]. Unpublished raw data.

Gain Scores Table: Kindergarten

Subtest	Weeks	Ambitious	Typical	Less than Typical
Letter Naming Fluency	5	≥ 7	5-6	≤ 4
	8	≥ 10	7-9	≤ 6
	10	≥ 12	9-11	≤ 8
Initial Sound Fluency	5	≥ 5	2-4	≤ 1
	8	≥ 7	4-6	≤ 3
	10	≥ 9	5-8	≤ 4
First Sound Fluency	5	≥ 9	8	≤ 7
	8	≥ 15	13-14	≤ 12
	10	≥ 18	15-17	≤ 14
Phoneme Segmentation Fluency	5	≥ 7	5-6	≤ 4
	8	≥ 11	7-10	≤ 6
	10	≥ 14	9-13	≤ 8
Nonsense Word Fluency (CLS)	5	≥ 8	4-7	≤ 3
	8	≥ 11	6-10	≤ 5
	10	≥ 14	8-13	≤ 7
Nonsense Word Fluency (WWR)	5	≥ 4	3	≤ 2
	8	≥ 6	4-5	≤ 3
	10	≥ 7	4-6	≤ 3

**Massachusetts 2016-2017
40th Percentile
Cut-off Scores for the 4-Square Instructional Grouping Tables**

Kindergarten

Test	Fall 40th %	Winter 40th %	Spring 40th %
LNF	16	39	51
ISF	10	27	N/A
FSF	7	39	N/A
PSF	N/A	33	52
NWF - CLS	N/A	22	34
NWF - WWR	N/A	1	3