

# General Outcome Indicators (GOIs) of Early Literacy & Reading *Data Interpretation Guide*

## FOURTH GRADE 2012-2013

Christopher Parker, Ph.D.  
IDEAL Consulting Services, Inc.  
(508) 636-6615  
(866) 254-6136  
[cparker@idealconsultingservices.com](mailto:cparker@idealconsultingservices.com)  
[www.idealconsultingservices.com](http://www.idealconsultingservices.com)



# Established Benchmarks Levels

## Fourth Grade

Measure	Beginning of Year		Middle of Year		End of Year	
	Performance	Benchmark Status	Performance	Benchmark Status	Performance	Benchmark Status
CBM/ORF	0 - 70	Well Below	0 - 82	Well Below	0 - 95	Well Below
	71 - 92	Below	83 - 104	Below	96 - 117	Below
	≥ 93	At/Above	≥ 105	At/Above	≥ 118	At/Above
CBM Maze	---	---	---	---	≥ 24	At/Above
D-ORF*	0 - 69	Well Below	0 - 78	Well Below	0 - 94	Well Below
	70 - 89	Below	79 - 102	Below	95 - 114	Below
	≥ 90	At/Above	≥ 103	At/Above	≥ 115	At/Above
DAZE	0 - 9	Well Below	0 - 11	Well Below	0 - 19	Well Below
	10 - 14	Below	12 - 16	Below	20 - 23	Below
	≥ 15	At/Above	≥ 17	At/Above	≥ 24	At/Above

\*D-ORF - DIBELS® Next Oral Reading Fluency (DORF)

# Massachusetts Public Schools' Norms: *Fourth Grade*

Subtest	Well Above Average	Above Average	Average	Low Average	Below Average	Well Below Average
<b>Fall</b>						
■ CBM/ORF	≥ 163	140-162	105-139	92-104	73-91	≤ 72
■ CBM Maze	≥ 30	23-29	16-22	14-15	11-13	≤ 10
■ D-ORF*	≥ 150	128-149	94-127	79-93	60-78	≤ 59
■ DAZE	≥ 27	22-26	16-21	14-15	10-13	≤ 9
<b>Winter</b>						
■ CBM/ORF	≥ 180	156-179	122-155	109-121	94-108	≤ 93
■ CBM Maze	≥ 36	30-35	21-29	18-20	14-17	≤ 13
■ D-ORF*	≥ 165	145-164	115-144	101-114	79-100	≤ 78
■ DAZE	≥ 31	26-30	17-25	14-16	9-13	≤ 8
<b>Spring</b>						
■ CBM/ORF	≥ 197	172-196	135-171	121-134	104-120	≤ 103
■ CBM Maze	≥ 41	35-40	26-34	22-25	17-21	≤ 16
■ D-ORF*	≥ 177	158-176	125-157	112-124	93-111	≤ 92
■ DAZE	≥ 41	35-40	26-34	24-25	19-23	≤ 18

\*D-ORF - DIBELS® Next Oral Reading Fluency (DORF)

# Expected Weekly Growth Rates for **CBM/ORF/D-ORF\***, **CBM Maze**, & **DAZE**

GRADE 4		
Subtest	Realistic	Ambitious
CBM/ORF/D-ORF*	0.85	1.10
CBM Maze	0.30	0.46
DAZE	N/A	N/A

\*D-ORF - DIBELS® Next Oral Reading Fluency (DORF)

From Fuchs, Fuchs, Hamlett, Walz, & Germann (1993). Formative evaluation of academic progress: How much growth can we expect? *School Psychology Review*, 22(1), 27-48.

**Note:** From C. Parker (2012). [*Utilizing CBM-MAZE to examine the weekly growth rates of grades 2-8 students' reading comprehension skills*]. Unpublished raw data.

# Shaping Expectations...

## Predicting MCAS Success in Grade 4

- A new statistical analysis helps delineate cut scores that students need to achieve to establish the odds in their favor for scoring either **Proficient or Advanced** on the **English Language Arts MCAS**.

Grade 4 <i>Fall ORF</i>	Odds Prof./Adv.
98	70%
105	80%
115	90%
Grade 4 <i>Fall Maze</i>	Odds Prof./Adv.
14	70%
16	80%
18	90%

# Gain Scores Table: Fourth Grade

Subtest	Weeks	Ambitious	Typical	Less than Typical
CBM/ORF/D-ORF*	5	$\geq 7$	4-6	$\leq 3$
	8	$\geq 10$	7-9	$\leq 6$
	10	$\geq 12$	9-11	$\leq 8$
CBM Maze	5	$\geq 3$	2	$\leq 1$
	8	$\geq 4$	2-3	$\leq 1$
	10	$\geq 5$	3-4	$\leq 2$
DAZE	NOT AVAILABLE			

\*D-ORF - DIBELS® Next Oral Reading Fluency (DORF)

**Massachusetts 2012-2013  
40th Percentile  
Cut-off Scores for the 4-Square Instructional Grouping Tables**

**Fourth Grade**

<b>Test</b>	<b>Fall 40<sup>th</sup> %</b>	<b>Winter 40<sup>th</sup> %</b>	<b>Spring 40<sup>th</sup> %</b>
<b>CBM/ORF</b>	<b>105</b>	<b>122</b>	<b>135</b>
<b>CBM Maze</b>	<b>16</b>	<b>21</b>	<b>26</b>
<b>D-ORF*</b>	<b>94</b>	<b>115</b>	<b>125</b>
<b>DAZE</b>	<b>16</b>	<b>17</b>	<b>26</b>

\*D-ORF - DIBELS® Next Oral Reading Fluency (DORF)