

Lee County Analysis Shows DIBELS® ORF Scores Are Predictive of SAT-10 Achievement

Fort Myers, FL: The School District of Lee County's Executive Director of Curriculum Dr. Larry Tihen and his team reviewed data for more than 25,000 K-5 students, mapping DIBELS Oral Reading Fluency (ORF) scores to SAT-10 scores. The analysis resulted in the development of reference charts for each grade level that teachers use regularly to provide instruction. The district's Grade 2 chart appears below.

GRADE 2 SAT-10 ACHIEVEMENT LEVEL

ORF Score	SB	MB	MT	EX
0	100%	0%	0%	0%
10	98.4%	1.6%	0%	0%
20	85.5%	10.3%	4.3%	0%
30*	72.5%	21.1%	6.3%	0%
40	45.3%	36.8%	16%	1.9%
50*	32.8%	35.2%	30.3%	1.7%
60	20.2%	34.8%	42.2%	2.8%
70	7.7%	31.1%	49.9%	11.3%
80	5.0%	25.5%	50.4%	19.1%
90	2.2%	15.7%	56.3%	25.8%
100	1.3%	11%	52.5%	35.2%
110	0.9%	6.3%	45.3%	47.5%
120	0.5%	4.7%	37%	57.8%
130	0%	1.1%	33%	66%
140	0%	0.8%	29.2%	70%
150	1.1%	2.3%	20.5%	76.1%
160	0%	0%	20.6%	79.4%
170	0%	0%	10%	90%
180	0%	0%	12.5%	87.5%
190	0%	0%	17.6%	82.4%
200	0%	0%	0%	100%
210	0%	0%	0%	100%
220	0%	0%	0%	100%
230	0%	0%	0%	0%

 Approximately 25th-75th Percentile  Approximately 10th-90th Percentile

* If a second-grade student's ORF score at the beginning of the school year is between 30 and 39, the teacher knows from looking at the chart that the student's probability of scoring SB on the SAT-10 is 72.5%, and the probability of scoring MT is only 6.3%. The teacher can also see that by focusing on fluency and increasing the student's ORF score to between 50 and 59, the probability of scoring SB on the SAT-10 drops by more than half, to only 32.8%, while the probability of achieving MT or EX increases more than 25 percentage points to 32%. The teacher can make an informed decision about how and where to place instructional effort in the time remaining before the SAT-10.