![i-Ready]

Understanding Score Types on the *i-Ready Diagnostic*

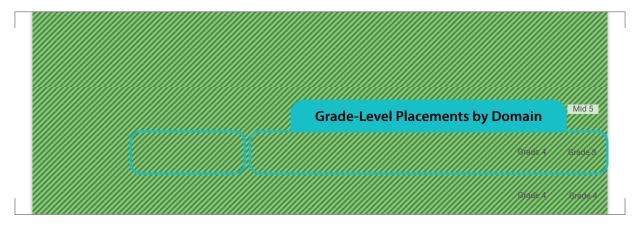Curriculum Associates Assessment Brief | April 2023

Overview

The *i-Ready Diagnostic* reports criterion-referenced scores, norm-referenced scores, and other measures of student learning. By providing these scores, educators get a more complete picture of student performance on the assessment.

Criterion-referenced scores compare a student's knowledge or skills against a predetermined standard, or criterion. With criterion-referenced measures, each student's performance is compared directly to the standard, independent of how other students perform on the test. Norm-referenced scores compare a student's performance to the performance of a norm group (i.e., a nationally representative sample of students in the same grade and at the same point in the school year). Norm-referenced scores provide information about where a particular score ranks compared to scores of other students. Lexile® and Quantile® measures further help educators understand student performance.

i-Ready Diagnostic: Criterion-Referenced Scores

i Ready Diagnostic's vertical scale scores provide a measure of student learning on a single scale so educators can compare both within and across grade levels. This scale is from 100–800. The Diagnostic's criterion-referenced placement levels can be used to better understand what students can likely do after taking the Mathematics or Reading assessment. These grade-level placements have been developed by educators and subject-matter experts to describe student achievement in terms of standards and learning objectives. Grade-level placements are associated with skills and descriptors that educators can use to determine a student's level of proficiency, independent of how other students perform on the assessment. *i-Ready*'s grade-level placements are designed to help educators target instruction for each student. Grade-level placements also inform classroom instruction and provide domain-specific insights, allowing for targeted differentiation and remediation.
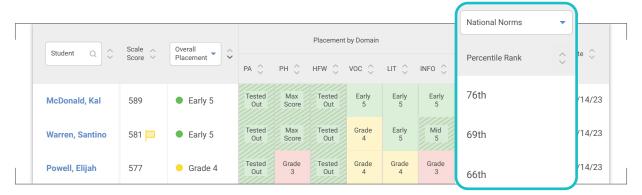
i-Ready Diagnostic: Norm-Referenced Scores

i-Ready Diagnostic's norm-referenced scores provide a way for educators to understand student performance as compared to the performance of students across the country. Norms are reported as percentile ranks that describe how a student's score compares to the performance of nationally representative samples of student scores in the same grade level taking the Diagnostic at the same time of year. Percentile ranks are useful for understanding students' performance relative to their peers.
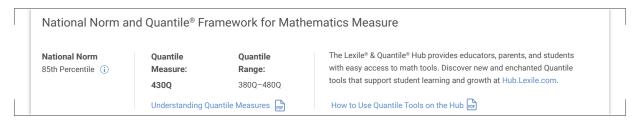
Student	Scale Score	Overall Placement	Placement by Domain						National Norms	
			PA	PH	HFW	VOC	LIT	INFO	Percentile Rank	te
McDonald, Kal	589	● Early 5	Tested Out	Max Score	Tested Out	Early 5	Early 5	Early 5	76th	/14/23
Warren, Santino	581 🚩	● Early 5	Tested Out	Max Score	Tested Out	Grade 4	Early 5	Mid 5	69th	/14/23
Powell, Elijah	577	● Grade 4	Tested Out	Grade 3	Tested Out	Grade 4	Grade 4	Grade 3	66th	/14/23

Lexile and Quantile Measures

Developed by MetaMetrics®, Lexile measures are widely used as measures of text complexity and each student's current skill level as it pertains to reading those materials. The Diagnostic for Reading has been statistically linked with the Lexile Framework, making it possible to provide an equivalent Lexile measure for every overall scale score. The Lexile range spans from 100L below to 50L above an individual's Lexile reading measure and is the optimal range for successful reading practice. The Lexile measure allows for a direct link between the level of reading materials and a student's ability to read those materials.

Also developed by MetaMetrics, Quantile measures for Mathematics use one scale to measure students' mathematical ability and the difficulty level of resources for mathematics instruction. Quantile measures help identify targeted lessons and supplemental mathematics materials based on each student's level of proficiency. The Quantile range indicates the range of mathematics materials that will be easy to more challenging for the student. In *i-Ready*, students' Diagnostic for Mathematics scores are used to approximate Quantile measures and ranges.

National Norm and Quantile® Framework for Mathematics Measure

National Norm 85th Percentile ⓘ	**Quantile Measure:** 430Q	**Quantile Range:** 380Q–480Q	The Lexile® & Quantile® Hub provides educators, parents, and students with easy access to math tools. Discover new and enchanted Quantile tools that support student learning and growth at Hub.Lexile.com.
	Understanding Quantile Measures 📄		How to Use Quantile Tools on the Hub 📄