Guide for Tools and Resources on Quantiles.com
The Quantile® Framework for Mathematics is a unique measurement system that uses a common scale and metric to assess a student’s mathematical achievement level and the difficulty of specific skills and concepts. The Quantile Framework describes a student’s ability to solve mathematical problems and the demand of the skills and concepts typically taught in kindergarten mathematics through Algebra II, Geometry, Trigonometry and Pre-calculus. Quantile® measures take the guesswork out of instruction by describing which mathematical skills and concepts the student has learned and is ready to learn. Quantile measures improve mathematics teaching and learning by targeting instruction and monitoring student growth toward proficiency standards and the mathematical demands of college and careers. More information about the Quantile Framework can be found at Quantiles.com.
Teachers can use the **Math Skills Database** to locate resources aligned to Quantile Skills and Concepts that support differentiated math instruction in these ways:

- Selecting activities for concepts lower than a student’s Quantile measure when instructional support is needed for students who view mathematics topics as more challenging, threatening, or unfamiliar.
- Selecting activities for concepts at or above a student’s Quantile range to stimulate growth when a topic holds high interest for the student or enrichment activities are needed.

**Here’s how:**

1. Go to Quantiles.com.
2. Click “Use the Quantile Framework” at the top of the home page.
3. Select “Math Skills Database.”
4. For the State Standards search, select the state in the dropdown list.
5. Select the grade level or name of the math course in the Course dropdown list.
6. Select the specific standard in the Standard dropdown list. Click “Search.”
7. A list of Quantile Skill and Concepts (QSCs) targeted to the standard will appear.
8. Click a QSC to view more details including its Knowledge Cluster. The Knowledge Cluster provides insight into Prerequisite, Supporting and Impending Quantile Skills and Concepts.
9. To provide instructional support for students with Quantile measures lower than that of the Quantile Skill and Concept (QCS) associated with the standard, click a QSC number for a Prerequisite QSC to see the free resources calibrated to that skill/concept. Likewise, to provide enrichment for students, click a QSC number for an Impending QSC to see the free resources calibrated to that skill/concept.
The **Find Your Textbook** search informs teachers about the difficulty of each lesson in a textbook measured on the Quantile scale. Using this information, teachers are able to match the measures with student Quantile measures in order to differentiate and motivate student learning. Also, this insight about the difficulty of the material helps teachers gauge the amount of time that might be necessary to ensure student confidence with the lesson.

**Here's how:**

1. Go to Quantiles.com.
2. Click “Use the Quantile Framework” at the top of home page.
3. Select “Find Your Textbook.”
4. Five fields help to narrow the textbook search. Fill in the title, ISBN number, publisher, whether the text is specific for your state, and the course or grade of the book. Click “Search.” Note that it is also possible to leave all fields blank and click on the “Search” button to get the entire math textbook database to review.
5. Locate the textbook and click its title. The textbook lessons are listed along with the Quantile measure of the lesson. The Quantile measures listed are an indication of the most difficult skill a student will encounter within that lesson.
6. Click “Show related QSCs” to see more detail about the skills and concepts calibrated in the lesson.
The Quantile Teacher Assistant helps teachers to utilize the Quantile Framework to differentiate math instruction and locate resources that can be most relevant to the math topic of the day. This tool has been aligned with state mathematics curriculum standards. Prerequisite and supporting QSCs from the knowledge clusters are offered along with resources that can supplement instruction in the classroom.

Here’s how:

1. Go to Quantiles.com.
2. Click “Use the Quantile Framework” at the top of home page.
3. Select “Quantile Teacher Assistant.”
4. Select the state in the dropdown list.
5. Select the grade level or name of the math course in the “Course” dropdown list.
6. Select the specific standard in the “Standard” dropdown list. Click “Search.”
7. Set the range of the Quantile measures for the students in the class by using the slider in the “Select Quantile Range of Your Class” section.
8. The Prerequisite, Supporting, and Impending Quantile Skills and Concepts (QSCs) will change color as the slider is moved to indicate whether the skill/concept is below, within, or above the range of Quantile measures of the class.
9. To reveal the activities associated with individual QSCs, click “More.”
For more information about Quantile measures, visit Quantiles.com.
To find information on The Lexile® Framework for Reading, please visit Lexile.com.

For more information about MetaMetrics, visit MetaMetricsInc.com.

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