

Fullmind Students Exceed Expected Growth in Math by 38.5%

Overview

In Spring 2022, Fullmind partnered with a New York charter school to provide supplemental math and reading instruction for 118 students in Grades 2–8. Benchmark assessment data was used to place students in small groups ($n = 4$) based on initial performance. This allowed educators to appropriately individualize, and offer data-driven instruction, targeting needed skills. Sessions occurred four times weekly (twice per subject) for 30 minutes and ran for approximately nine weeks. Each session was recorded so students could review previous material, or if absent, could view the lesson asynchronously to help address lost instructional time. To measure growth in math and reading achievement, Fullmind analyzed NWEA® MAP® Growth™ Math and Reading assessment data from Winter 2022 and Spring 2022 administrations. Of participating students, 104 completed both a pre and post test in math and 106 completed both in reading.

Impact

Students demonstrated significant growth from Winter 2022 to Spring 2022 in both math and reading (Figure 1). Students also made statistically significant gains in their Quantile® and Lexile® scores (Figure 2). An increase in Quantile and Lexile scores indicate students are able to learn more complex mathematical concepts and comprehend more complex texts.

Figure 1. Average RIT Score

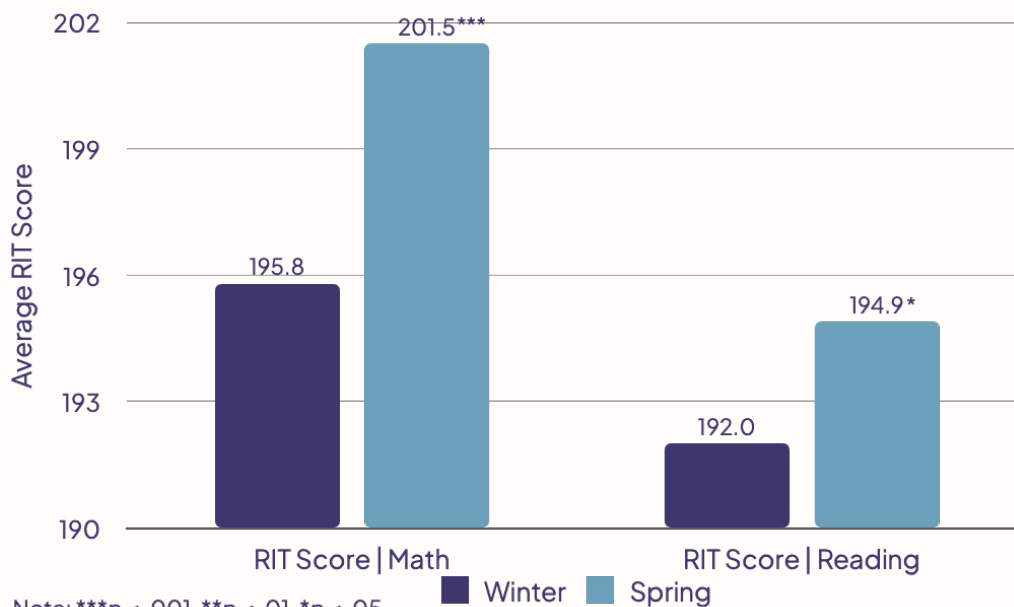
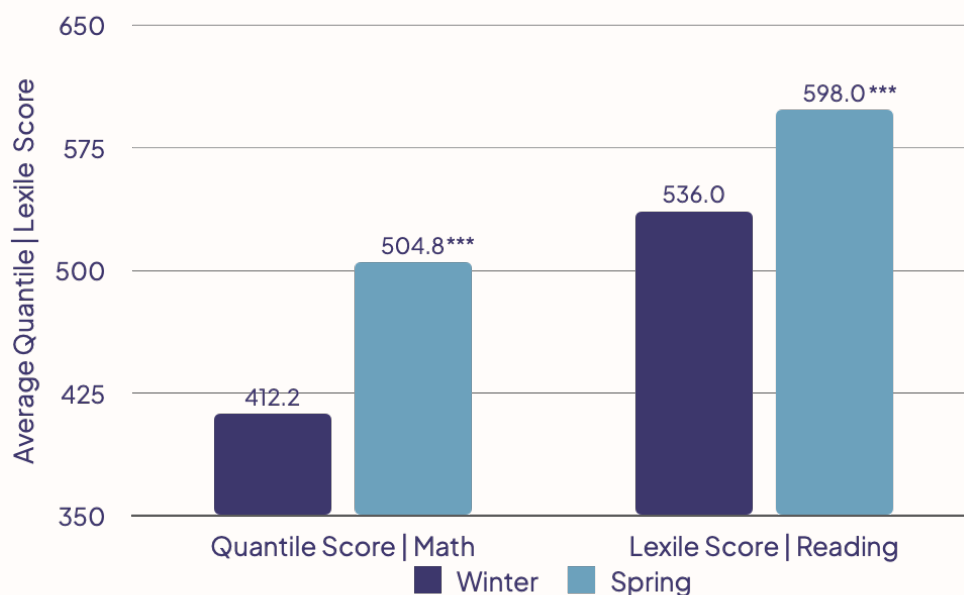


Figure 2. Average Quantile and Lexile Scores



Note: *** $p < .001$, ** $p < .01$, * $p < .05$

To help evaluate the impact of services, Fullmind compared the percent of projected growth met across semesters, to estimate growth before and after the use of Fullmind services. The percent of projected growth met represents how much observed growth differed from projected growth for all students. A value below 100% indicates, on average, students did not quite reach their projected growth, and a value above 100% represents students exceeded their projected growth. Students appeared to demonstrate larger growth in the Spring semester—with Fullmind services in place—and in math specifically, students exceeded their projected growth by 38.5% (Figure 3). These outcomes are encouraging, given the limited program duration. Increased instructional hours may lead to greater academic gains.

Figure 3. Percentage of Projected Growth Met

