



Fantasy Sports Math League

Spring 2026 QED Study Results Summary for District Leaders

WHAT IT IS: A game-based digital platform that teaches middle school math through fantasy football. Students draft teams, set weekly lineups, and score their players using fraction operations, budgeting, and problem-solving — aligned to standards and using real player data. COPPA and FERPA compliant; runs on Chromebooks, tablets, or computers.

LEARNING OUTCOMES: The First FSML Study with a Comparison Group

+13pp

Math post-score advantage vs. comparison group

$p = .004$, controlling for prescore, grade, gender, race/ethnicity

+4.5pp

Within-group gain, FSML classrooms (pre→post)

$p = .024$; comparison group: n.s.

+0.15

Fraction-equation confidence gain, FSML group

$p = .05$; comparison group: n.s.

Sample: 133 matched students (107 treatment / 26 comparison) across 6 teachers in Pennsylvania and Connecticut, grades 6–11 (77% grades 6–8). Quasi-experimental design (QED) with OLS regression controlling for prescore, grade, gender, and race/ethnicity.

STUDENT ENGAGEMENT: Skills Students Said FSML Helped With

- 63% multiplying fractions
- 52% adding/subtracting fractions
- 44% solving equations
- 39% order of operations & budgeting

Student Comments:

"I learned about budget management and how it is harder than it looks."

"Working with math in a fun way can help you learn better than the traditional way."

"I like how it's not just straight math and it's interesting instead."

IMPLEMENTATION: Designed for Classroom Ease

- Teachers used FSML mainly as a supplement to regular math instruction; averaged 5 weeks of use.
- Minimal teacher burden: ~30-minute setup, then 10–20 minutes weekly; platform auto-scores and updates leaderboards.
- Off-season configuration (historical player data) means implementation isn't limited to NFL in-season months.
- 5 of 6 study teachers plan to continue using FSML in fall 2026 (the sixth cited a scheduling conflict, not the program).

DISTRICT DECISION POINT: FSML students significantly outperformed a comparison group on math assessments — the first FSML result to hold up against a non-FSML classroom, not just pre/post gains. Combined with low implementation burden and strong teacher retention, the evidence supports continued and expanded use.