

# Measuring Oral Reading Fluency: Computerized Oral Reading Evaluation - **CORE**

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# CORE

- Develop and validate a new computerized assessment system of ORF.
- Automated scoring algorithm based on a speech recognition engine.
- A latent variable psychometric model.
- Vertically scaled scores for Grades 2-4.
- Technically adequate for improving reading outcomes for students across reading proficiency levels.

# CORE

- Years 1-2
  - Develop and Validate Passages
    - +110 passages (word counts: ≈25, ≈50, ≈85)
    - Example: *“Tim grew very tall. When he was ten everyone thought he’d play basketball. But Tim surprised them all. He loved to play the piano.”*
  - Compare
    - wcpm: easyCBM vs. CORE
    - Hand score live vs. CORE vs. hand score of recording
  - Development of the psychometric model.

# CORE

- Year 3
  - Passage parameters horizontally equated and vertically linked.
    - 1,000 students per Grade 2-4
    - Administered with easyCBM benchmarks (fall, winter, spring)
- Year 4
  - Consequential Validity
    - 1,000 students per Grade 2-4
    - 9 assessments across the year (including easyCBM benchmarks)
    - Growth study
      - Trajectory of student growth, CORE and easyCBM
      - Reliability of points and growth
- Teacher feedback