Expanding the Evidence Base for Personalized Learning through a Multi-tiered System of Support (MTSS) Program

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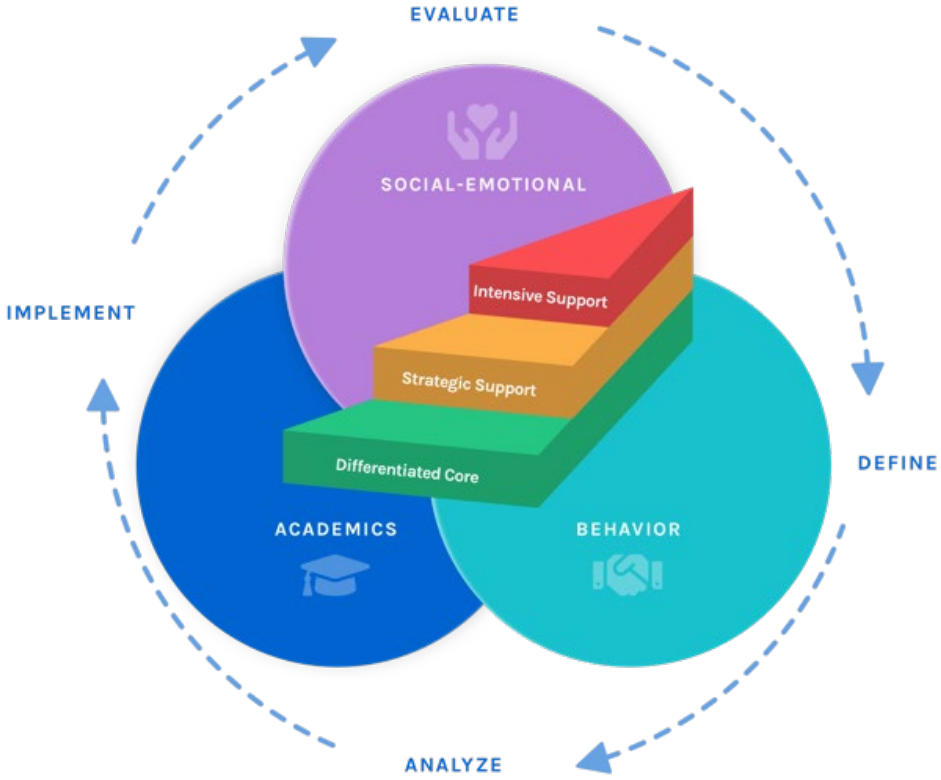
BRANCHING MINDS

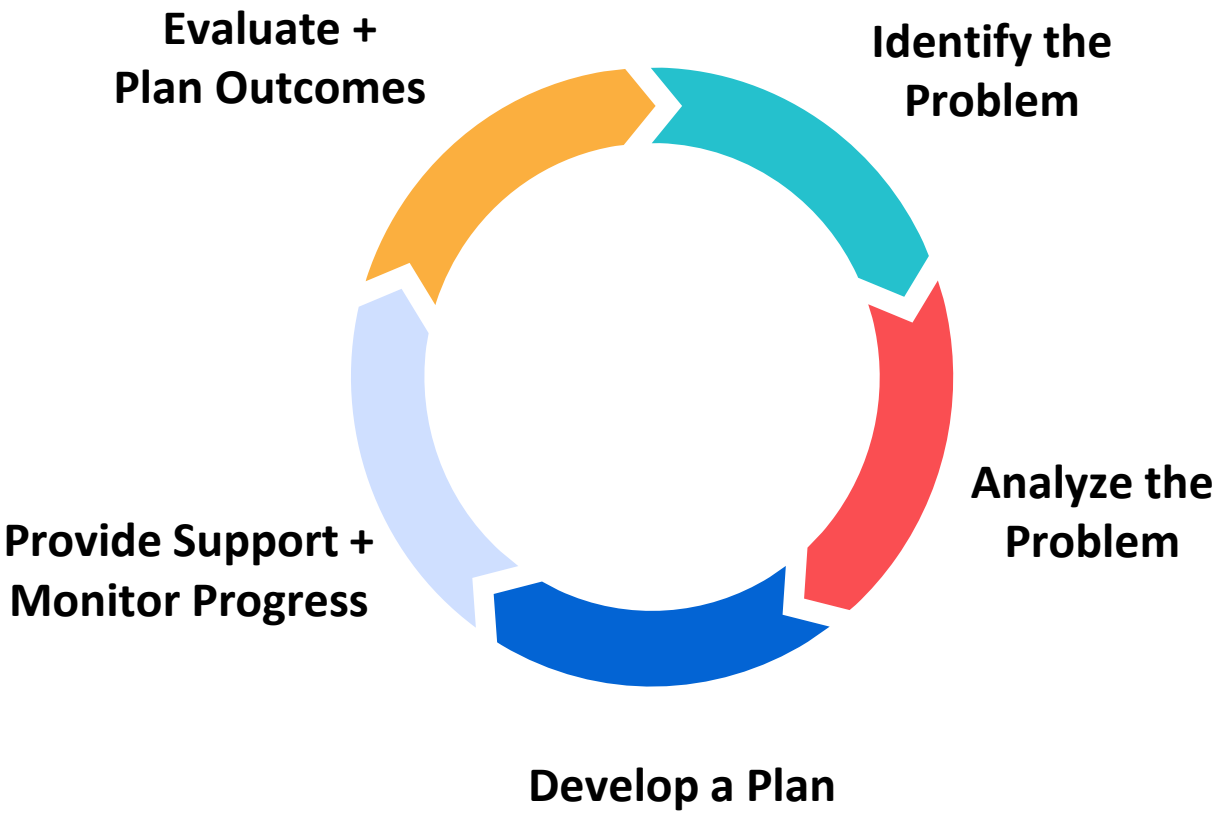
What is MTSS?

- MTSS is a system-wide approach to provide to provide instruction and intervention at varying levels of intensity based on individual student needs.
  - A *layered* 3 - tier model
  - Holistic approach supporting academics, behavioral, and social-emotional needs
  - Data driven, problem solving practice



MTSS Framework

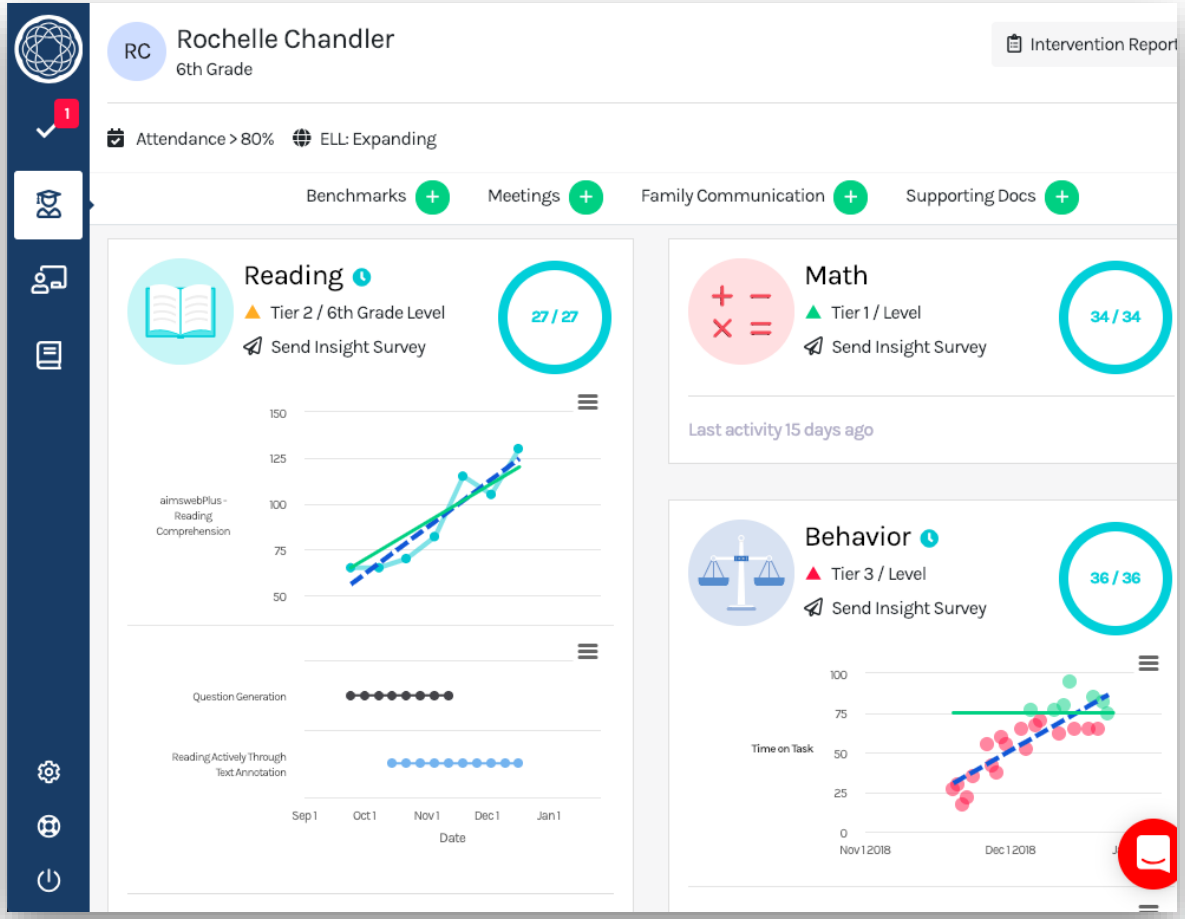
- Evidence-based core instruction
- Screening for at-risk students
- Support plans based on level of student need
- Continual monitoring of progress
- Adjustment of plan based on student response and need



Branching Minds Web Application

➢ **Streamline and scaffold MTSS practice**

- Use data to ID who needs support
- Find evidence-based interventions
- Create academic/behavior/sel plans guided by best practices
- Monitor implementation and progress
- Streamline communication across colleagues and families



Branching Minds Web Application

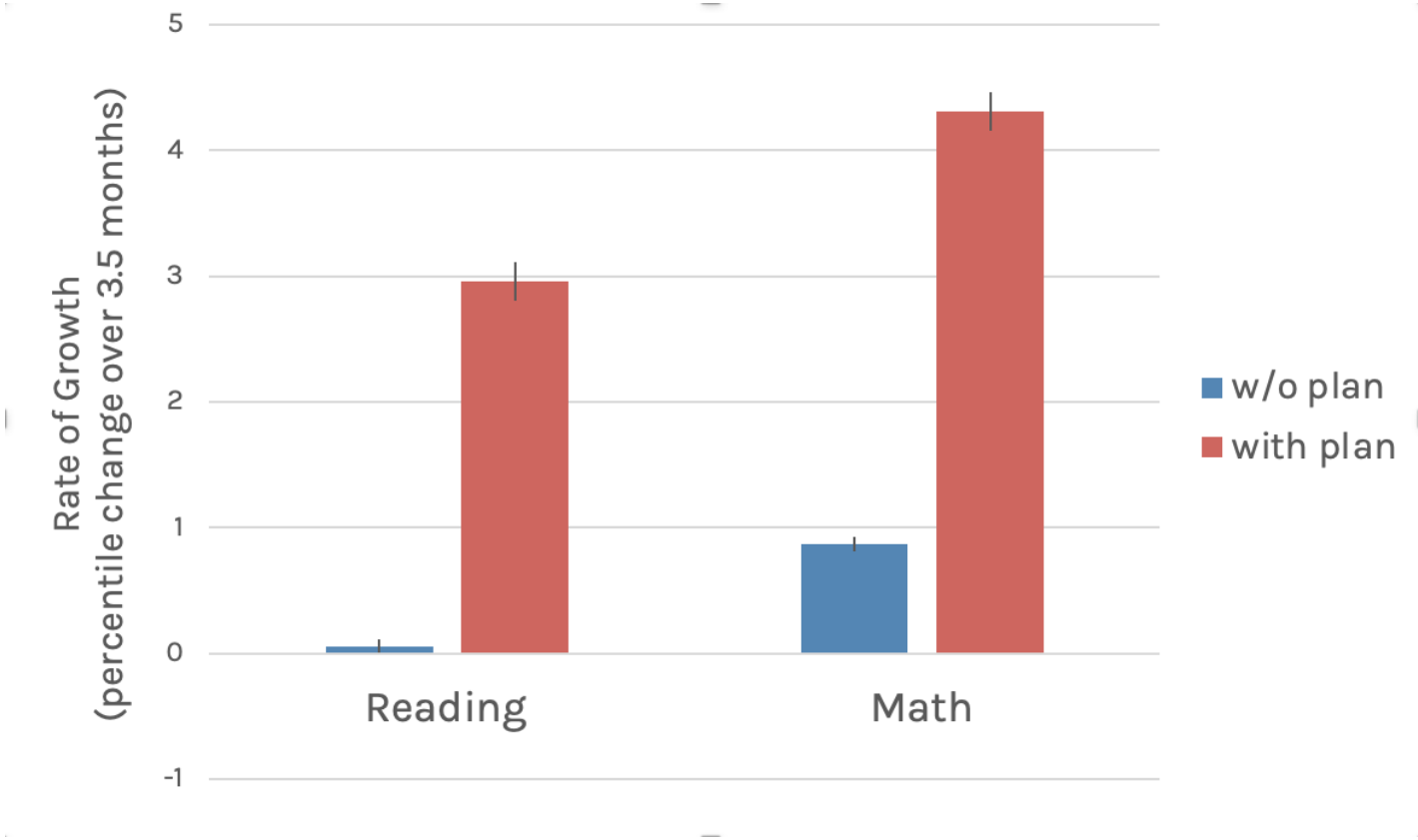
- **Allows us to collect a rich data set on student plans within a MTSS model**

- Normed assessment data, student demographics, support plan details
- Data from 16 districts across 6 states, ranging in locale and poverty level
- 300,000 students with pre- and post-test assessment data (NWEA MAP given approximately 3.5 months apart)
- 58,600 students had a learning plan for a consistent 3 weeks between assessment periods

Branching Minds Web Application

- **Questions we sought to examine**

- Are we seeing a positive impact of learning plans on student academic achievement?
  - Yes (correlational data)
- Are we seeing equitable student achievement?
  - Yes, equivalent rates of growth across demographics
- Are we seeing equitable implementation of plans?
  - No, minority students are less likely to receive a plan
- Is there a difference in student achievement for plans with online-adaptive programs vs student- and teacher-lead supports/strategies?
  - No, equivalent rates of growth between adaptive PL and student/teacher strate

What we're seeing on BrM

- **Students with learning plans are showing growth**