Strengthening Mathematical Mindsets Partnership Logic Model

### Partnership Activities and Outputs

**4.1.1: Strengthening Mathematics Learning in and Beyond the School**
- Coaching to implement evidence-based strategies to promote mathematical mindsets across settings. Multi-phase coaching project for school-based teams and leaders from the district and educational alliance.
  - **Phase I:** Partnering for mathematical mindsets and cultivating positive mathematics attitudes (2022/23)
  - **Phase II:** Strengthening mathematical habits of mind (2023/24)
  - **Phase III:** Sustaining practices and alignment (2024/25)

Coaching activities (workshops and consultation) will support school-based teams to implement research-based mathematics instructional practices and inclusive family engagement strategies that promote mathematical mindsets, and to align practices across settings. Coaching activities will also build the capacity of Logan County and Education Alliance leaders to implement structures and processes to increase alignment between classroom, afterschool, and home support for mathematics learning.

**6.2: Infographics to support participant outreach and engagement of families and other stakeholders.**

### Short-Term Outcomes

**District and Education Alliance leaders** have greater capacity to use research on positive math attitudes and mathematical habits of mind to support decisions and planning.

**School-based team members** increase knowledge and understanding of:
- Evidence-based practices to foster positive mathematics attitudes and mathematical habits of mind.
- Inclusive family engagement strategies.
- Strategies to plan aligned activities that incorporate evidence-based practices across classroom, afterschool, and family engagement settings.

**Family engagement specialists** have greater capacity to support families to foster mathematical mindsets with their children.

### Medium-Term Outcomes

**District and Education Alliance leaders** adopt structures and processes to increase alignment between classroom, afterschool, and family engagement support for mathematical mindsets.

**Classroom teachers and afterschool staff** on school-based teams use evidence-based instructional practices to foster mathematical mindsets.

**Family engagement specialists** promote the use of evidence-based practices to foster mathematical mindsets with families.

**School-based team members** use inclusive family engagement strategies.

**Families** participate in mathematics-related activities and access mathematics-related resources to support mathematical mindsets.

### Long-Term Outcomes

Sustained systematic organizational change that supports alignment of mathematics teaching and learning to promote positive mathematical mindsets across classroom, afterschool, and family engagement settings.

Classroom teachers, afterschool educators, and family engagement specialists implement aligned teaching and learning practices to support positive mathematical mindsets across classroom, afterschool, and family engagement settings.

The percentage of students demonstrating proficiency on end-of-course and end-of-year state assessments increases in each participating school.

---

**Key**
- **School-based teams** comprise approximately five math educators, two afterschool educators, one AmeriCorps volunteer, and one family engagement specialist.
- **Family engagement specialists** are full-time staff at each participating middle school responsible for family education and outreach.

**Contextual Factors**

State priorities/mandates | District leadership stability and support | Funding/ staff stability | Family involvement | Collaboration norms