

# FAMILY MATH THEORY OF IMPACT

## VALUES

Family  
Empowerment

Co-Creation  
With Families

Playful  
Learning

Celebrating  
Family  
Strengths

Transformative  
Thinking Around  
Math

Strong Community  
Partnerships

## STRATEGIES

### LISTEN

- Engage in co-design and listening with families (surveys, needs assessment, etc.).
  - Create a safe space for parents and caregivers to share about math insecurities.
- Highlight parents' strengths and what they're already doing to support child's math learning.

### EMPOWER

- Model how parents can encourage curiosity, problem-solving and "math talk" during everyday activities.
- Give families equitable access to resources and engagement opportunities.
- Provide leadership opportunities and trajectories to parents.

### ENGAGE

- Provide families with multiple modes of shareable engagement (in-person and virtual workshops; free digital and printable resources).
- Partner with community-based organizations.
- Provide free, fun, enticing, "star power" experiences for families.

## TARGETS

### MATH ATTITUDES

- Increase parent and child math positivity and confidence.
- Increase parent motivation to engage in child's learning.
- Support parent growth mindset throughout life.

### MATH KNOWLEDGE

- Enhance community partners' knowledge of importance of early math.
- Increase parent knowledge of early foundational math skills.
- Strengthen connections to increase parent recognition that math is everywhere.

### MATH BEHAVIORS

- Encourage more math talk between parent and child.
- Boost parental creativity and innovation around math activities.

### REPRESENTATION

- Enrich parent feelings of ownership over the program.
  - Foster parent comfort engaging in workshops.
- Strengthen families' feeling of being represented in program elements.

### SUSTAINABILITY

- Increase family participation/retention in program.
- Build up family excitement and motivation to share about the program.
  - Advance leadership through parent facilitator program.

## OUTCOMES

### IMPROVE CHILDREN'S EARLY MATH SKILLS

- Improve Children's Math Skills
- Enhance kindergarten readiness and success in school.

### NURTURE A FAMILY MATH CULTURE AT HOME

- Support parents' confident modeling and innovating of math learning opportunities and activities.
- Develop parent and child's identity as mathematical thinkers and doers.
  - Understand parents' unique journey in their transformation of thinking about math.

### BUILD A SUSTAINABLE FAMILY MATH COMMUNITY

- Develop commitment from community partners to host.
- Connect partners in early learning space.
- Foster parent leadership to become facilitators.
- Build awareness of program and content in extended family and community.