

Title: Strengthening Executive Function Skills in Mathematics via Equity Approaches: An Overview—and an Opportunity

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### **Session Description**

Research suggests that strengthening students' executive function within math contexts leads to gains in mathematics achievement. So how can you support students' executive function skills during math instruction? In this session, EF+Math, a program of non-profit education organization the Advanced Education Research and Development Fund (AERDF), will provide participants an overview of executive function skills in mathematics, along with best practices for their development. Then, EF+Math will share a set of curricular approaches designed with and for teachers, which have shown improvements in students' executive functioning and math learning in grades 3-8. Attendees will have the opportunity to join EF+Math as part of their ongoing research and development efforts to improve student learning in equitable and inclusive ways, including access to these tools and partnership with the EF+Math community.

### **Participant Takeaways**

Attendees at this presentation session will learn about the role of executive function skills in mathematics contexts with an equity lens. Participants will experience inclusive research and development (R&D) processes of co-design and discuss opportunities to engage executive function skills in mathematics lessons. The session will provide insight to teacher experiences as part of inclusive R&D teams, and attendees will learn about opportunities for participating in equity-driven projects to improve math learning outcomes.

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