



Resource Spotlight

A resource brief to support virtual professional learning for division partner staff and families

Specially Designed Instruction (SDI)-Mathematics

This Spotlight features resources, virtual professional learning opportunities, and family supports for the development and implementation of specially designed instruction (SDI) in mathematics.

RESOURCES:

- ❖ [Evidence-Based Specially Designed Instruction in Mathematics](#)
VDOE comprehensive resource of specific evidence-based SDI practices in mathematics
- ❖ [Specially Designed Instruction-Mathematics Spotlights](#)
GMU TTAC SDI resources for teaching and monitoring student progress for whole, rational and integer operations; place value, algebraic concepts, measurement and geometry
- ❖ [High Leverage Practices \(HLPs\) Crosswalk in Mathematics](#)
GMU TTAC HLP Mathematics Crosswalk sharing targeted professional learning and teacher ready resources for HLPs
- ❖ [Mathematics Screening Tools](#) and [Student Progress Monitoring Tool](#)
National Center on Intensive Intervention (NCII) review of research-based mathematics screening tools and a student progress monitoring tool for data collection and graphing
- ❖ [Specially Designed Instruction in Math](#), [Schema Based Instruction for Problem Solving](#) and [Concrete-Representational-Abstract and Project Stair Resources](#)
VDOE and Virginia Tech T/TAC resources and materials for planning, teaching, and monitoring student progress in specially designed mathematics instruction

VIRTUAL PROFESSIONAL LEARNING OPPORTUNITIES:

- ❖ [SDI: Assessment and Implementation in Inclusive Classrooms](#)
GMU TTAC and Virtual Virginia self-paced professional learning session on how to plan, teach, progress monitor, and individualize SDI throughout all tiers of MTSS
- ❖ [SDI: Self-Regulated Strategy Development \(SRSD\), A Meta-Cognitive Strategy](#)
GMU TTAC and Virtual Virginia self-paced professional learning session on a research-based meta-cognitive (HLP 14) mathematics strategy for solving equations
- ❖ [Intensive Interventions in Mathematics](#)
NCII professional learning series showing teachers how to implement intensive interventions in mathematics using the data-based individualization (DBI) process
- ❖ [Evidence Based Instruction in Mathematics](#)
VDOE webinar and FAQ document sharing resources and strategies to enhance instruction for students with disabilities in mathematics

FAMILY SUPPORTS:

- ❖ [Bridging for Math Strength Family Connections](#)
VDOE and George Mason University partnership providing family resources and activities to support engagement in mathematics learning at home
- ❖ [Development and Research in Early Math Education \(DREME\): Family Math](#)
Stanford University DREME mathematics games and materials for children birth-8

Visit [TTAC Online](#), [GMU TTAC](#), [VA Family Special Education Connection](#), and [Assistive Technology Network](#)

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