

# Finish Strong 2.0

## “Supporting the Struggling Math Student” (PreK-12) Resources

### **Websites:**

MS Department of Education (mathematics page) - <https://www.mdek12.org/secondaryeducation/mathematics>

Here you can find:

- 2016 Mississippi College- and Career-Readiness Standards for Mathematics
- Scaffolding Documents
- Manipulatives Manual (2021)
- Instructional Planning Guides (2021)
  - High-quality instructional materials
  - Instructional, planning, assessment, & professional development resources
  - Links to virtual manipulatives, applets, demos, interactives
- “Challenging Content” standards unpacked

National Council of Teachers of Math (NCTM) - <https://www.nctm.org>

Illustrations- (quality standards-based resources for teaching and learning mathematics, including interactive tools for students and instructional support for teachers) - <http://illustrations.nctm.org>

### **Practice Guides:**

“Assisting Students Struggling with Mathematics: Intervention in the Elementary Grades” (2021) - <https://ies.ed.gov/ncee/wwc/PracticeGuide/26>

“Teaching Strategies for Improving Algebra Knowledge in Middle and High School Students” - <https://ies.ed.gov/ncee/wwc/PracticeGuide/20>

### **Articles:**

“12 Math Rules That Expire In the Middle Grades”-

<https://www.gstboces.org/stem/math/12RulesthatExpireintheMiddleGrades.pdf>

“13 Rules That Expire”-

<https://www.nctm.org/Publications/Teaching-Children-Mathematics/2014/Vol21/Issue1/13-Rules-That-Expire/>

“Circumventing High School Rules That Expire” -

<https://pubs.nctm.org/view/journals/mt/111/2/article-p134.xml?rskey=C3yX4T&result=1>

“From Rules that Inspire to Language That Inspires” - <https://pubs.nctm.org/view/journals/mt/113/7/article-p544.xml>

“Growth Mindset, Revisited” -

<https://portal.cornerstonesd.ca/group/yyd5jtk/Documents/Carol%20Dweck%20Growth%20Mindsets.pdf>

### **Books:**

*Nix the Tricks* - <https://nixthetricks.com/Download.html>

*Principles to Action: Ensuring Success for All* - <https://www.nctm.org/PtA/>

*Mathematical Mindsets* - <https://readpbn.com/pdf/Mathematical-Mindsets-Sample-Pages.pdf>