

Math Resources

These research-based curricular resources have been vetted through the math curriculum committee and should be used to develop lessons that meet the needs of each learner.

*If you would like to use other materials, please contact a math committee member to investigate and add to this list.

General Resources

- K-6 Math Resource Padlet
https://padlet.com/c_biche/q5d22du03zcxj4px
- 7 Effective Math Teaching Practices
<https://www.nctm.org/Conferences-and-Professional-Development/Principles-to-Actions-Toolkit/Resources/7-EffectiveMathematicsTeachingPractices/>
- Georgia Standards and Math Performance Tasks Website:
<https://www.georgiastandards.org/Georgia-Standards/Pages/Math-K-5.aspx>
- YouCubed- Quality Performance Tasks and Resources for Students and Teachers, Website:
<https://www.youcubed.org/>
- K-8 Mathematical Mindsets Curriculum by Jo Boaler- Visualizing and Investigating Big Ideas for grades 3-7.
<https://www.youcubed.org/resource/k-8-curriculum/>
- Mathematical Mindsets by Jo Boaler- The math committee recommends purchasing this book for an explanation of how the brain processes mathematics learning, strategies for how to turn mistakes and struggles into valuable learning experiences, and examples of rich mathematical activities to replace rote learning.
<https://www.youcubed.org/mathematical-mindset-teaching-resources/>
- North Carolina Tools for Teachers: Quality Performance Tasks by Grade Level and Competency:

<http://tools4ncteachers.com/>

- EveryDay Math: Paid Subscription Digital or Hard-Copy that Includes Warm-Up, Mini-Lesson, Practice, Games and Wrap Materials. EDM Materials Can be Used Throughout Each Component of the Math Workshop.

<https://www.mheducation.com/prek-12/program/everyday-mathematics-4-20162016/MKTSP-TRA15M0.html>

Launching Your Math Workshop

- YouCubed- Week of Inspirational Math for Launching Math Workshop Website:

<https://www.youcubed.org/week-inspirational-math/>

Warm-Up:

- 8 Ways to Use Math Warm-Ups

<https://www.mathgiraffe.com/blog/8-ways-to-use-math-warm-ups-a-collection-of-ideas-resources>

Mini-Lesson:

- NCTM Website for Mini-Lessons by Grade:

<https://illuminations.nctm.org/>

- IXL- Free Version for Daily Use (Limited Number of Questions Allowed), K-12

<https://www.ixl.com/>

Practice:

- Khan Academy- Free Courses and Video Tutorials by Grade and Competency, K-12

<https://www.khanacademy.org/signup?isteacher=1>

- IXL- Paid Subscription for Leveled and Individualized Content Practice, K-12

<https://www.ixl.com/>

- Ready Common Core- Mastery-Based Math Curriculum

<https://www.curriculumassociates.com/products/ready/mathematics>

- Technology-Based, Exploratory Activities Bundled by Competency Area, Grades 7-12

<https://teacher.desmos.com/>

- DreamBox: Paid Online Subscription for Individualized Math Practice, K-2:
<http://www.dreambox.com/>

Wrap:

- 22 Powerful Closure Activities: Quick activities that can be used to check for understanding or emphasize key information at the end of a lesson.
<https://www.edutopia.org/blog/22-powerful-closure-activities-todd-finley>