

Asynchronous Math Professional Development Opportunities: Connect Skills and Specially Designed Instruction

Virginia Department of Education – Mathematics Resources

VDOE Superintendent's Memo:

https://content.govdelivery.com/attachments/VADOE/2020/08/26/file_attachments/1526967/08-26-20%20New%20Mathematics%20Instructional%20Resources.pdf

VDOE Evidenced Based Specially Designed Instruction in Mathematics Resource Guide

http://www.doe.virginia.gov/special_ed/disabilities/learning_disability/swd-mathematics-resources.pdf

Students with Disabilities in Mathematics Frequently Asked Questions

https://content.govdelivery.com/attachments/VADOE/2020/08/26/file_attachments/1526967/08-26-20%20New%20Mathematics%20Instructional%20Resources.pdf

VDOE Math Resources

[Mathematics Instructional Plans](#)

[Co-Teaching Mathematics Instructional Plans](#)

Include examples of SDI, accommodations, and modifications

[Mathematics Curriculum Frameworks](#)

Provides the description of the skills or concepts within each standard

[Mathematics Vertical Articulation Tool](#)

Especially helpful in identifying gaps and pre-requisite skills

[Algebra Readiness Remediation Plans](#)

Organized by strand concept and each plan may be aligned to one or more mathematics SOL spanning grades 4 through 8.

[Algebra Readiness Formative Assessments](#)

May use in assessing student learning after student remediation and range from grades 3 through Algebra I.

[Rich Mathematical Tasks](#)

The detailed templates include suggestions for scaffolds and additional support

[Mathematics Vocabulary Word Wall Cards](#)

These visuals are especially helpful in reinforcing consistent and formal mathematic vocabulary

DESMOS calculator resources

http://www.doe.virginia.gov/testing/sol/standards_docs/mathematics/calculators/desmos/index.shtml We also have it linked on this page:
<http://www.doe.virginia.gov/testing/participation/index.shtml>

VDOE Corona Virus (COVID-19) – Learning in Place Mathematics Resources –
<http://www.doe.virginia.gov/instruction/mathematics/index.shtml>

TTAC Online

Real Co-Teachers of Virginia Middle and High – Math - <https://ttaconline.org/Online-Training/MLbTE3FyBnHWFDQ7nZacU0jmR2pRDNOQ/Online-Training-co-instructing-in-math-classes>

National Library of Virtual Manipulatives for Interactive Mathematics -
<https://ttaconline.org/Resource/JWHaEa5BS76SUEXyoDmPVA/Resource-national-library-of-virtual-manipulatives-for-interactive-mathematics>

Using Statewide SOL Performance Data to Guide Instruction –
http://www.doe.virginia.gov/testing/sol/performance_analysis/index.shtml

General Mathematics Strategies Webinars, and Blogs

IDA Webinar: Building the Mathematics Muscle (with Marilyn Zecher)

<http://vcasevirtualinstructionforspecializedreading.pbworks.com/w/page/140252166/VCASE%20Virtual%20Instruction%20for%20Specialized%20Reading>

Handout -

https://m.box.com/shared_item/https%3A%2F%2Fapp.box.com%2Fs%2Fh5jda8snyzlh6c7db4jdzkvd62is6xcf

Math, Motivation, and Our Online World -

https://www.voyagersopris.com/blog/edview360/2020/08/27/math-motivation-and-our-online-world?utm_source=news&utm_medium=email&utm_campaign=2020_Q3_Edview360_Blog_082720

TTAC WM Schema-Based Math Instruction (with Sarah Powell and Stephanie Morano)

Videos of the Elementary and Secondary sessions ([link to be provided once edits complete](#))

IRIS Module from Vanderbilt University – What is High Quality Mathematics Instruction and Why is it important? –

<https://iris.peabody.vanderbilt.edu/module/math/cresource/#content>

What evidence based mathematics practices can teachers employ?

<https://iris.peabody.vanderbilt.edu/module/math/cresource/q2/p04/#content>

2020 Mathematics Resources Compiled by TTAC WM and Spotsylvania Special Education

High Leverage Practices - <https://highleveragepractices.org/>

High Leverage Practices in Special Education (HLP 16 and 20 specifically) –
<https://highleveragepractices.org/wp-content/uploads/2017/04/InstructionsShort1.pdf>

Video link to #20 - <https://highleveragepractices.org/701-2-4-3-2/>

Video link to #16 - <https://highleveragepractices.org/701-2/>

Problem Solving/Schema Based Instruction Resources

[Problem Solving Types](#) [Schema Based Instructional Examples](#)

[Schema Based Instructional Templates](#)

National Council of Teachers of Mathematics - <https://illuminations.nctm.org/>