



Amazing Math Technology Interventions

David Davis . david@fdlrstech.com . Ian Prietz . ian@fdlrstech.com

Interventions/Instructional Support

FASTT Math – <http://www.tomsnyder.com>

Software that targets the development of fluency in addition, subtraction, multiplication, and division.

Go Solve – <http://www.tomsnyder.com>

Uses graphic organizers to help students plan for solving word problems in addition, subtraction, multiplication, and division.

InspireData – <http://www.inspiration.com>

Applies proven strategies of visual learning to data literacy; supporting strong critical thinking.

Virtual Manipulatives

bright clique – <http://www.indivisuallearning.com>

A flexible set of digital tools for demonstrating key mathematical concepts on computers, projectors, or interactive whiteboards.

Virtual rulers –

<http://www.desktopruler.com/products-dr.htm>

<http://www.svet-soft.com/ruler.shtml>

<http://www.spadixbd.com/freetools/>

<http://www.downloadjunction.com/product/store/15482/index.html>

Classroom Suite (IntelliMathics) – <http://www.intellitools.com>

Includes animation, manipulatives, text to speech, and multimedia to demonstrate basic math concepts.

Visual Fractions - <http://www.visualfractions.com/>

Includes online tools for learning fractions, PowerPoints to help teach fractions, downloadable worksheets, and downloadable software for creating circle fractions.

Illuminations - <http://illuminations.nctm.org/>

A collection of online, standard-based virtual manipulatives and lessons, to make math come alive in the classroom and at home.

BlockCad - <http://web.telica.com/~u16122508/proglego.htm>

A free Win virtual Lego land.

Lego Factory - <http://factory.lego.com/>

A free online virtual Lego land.

NLVM – <http://nlvm.usu.edu/en/nav/vlibrary.html>

Collection of online manipulatives and visualizations for all grade levels.

Pintar Virtual Labs – <http://pintarmedia.com/vprod>

An interactive math toolbox suite targeting fractions, shapes, numbers, and measuring.

SmartBoard Software –

<http://www2.smarttech.com/st/en-US/Support/Downloads/SBS/Windows/SBSv97Win.htm>

Includes a collection of virtual math tools. Students can run the software on their own computers to practice mathematical concepts.

Simulations/Visualizations

- MathPad & MathPad Plus – <http://www.intellitools.com>
Simulated “paper and pencil” basic arithmetic software for students who need to use a computer to write with.
- Virtual Pencil - <http://www.hentermath.com/>
Simulated “paper and pencil” arithmetic and algebra software for students who need to use a computer to write with.
- Broken Calculator – http://seeingmath.concord.org/broken_calculator
Online simulation of a broken calculator. Students must think through how to solve problems using the keys available.
- Explore Learning – <http://www.explorelearning.com>
Extensive online set of mathematic simulations and visualizations.
- SELECT Math - <http://boston.k12.ma.us/teach/technology/select/index.html>
Aligns virtual manipulatives and visualizations with standards
- GeoGebra - <http://www.geogebra.org/cms/>
Virtual tools for geometry, algebra, and calculus
- Eduscapes - <http://eduscapes.com/sessions/smartboard>
Includes links to a variety of simulations and visualizations

Homework Helpers

- Animated Math Dictionary -
http://www.harcourtschool.com/glossary/math2/index_temp.html
Provides basic definitions of math terms, along with text to speech so students can hear the definitions and visualizations.
- A Math Dictionary for Kids –
<http://www.teachers.ash.org.au/jeather/maths/dictionary.html>
- WebMath – www.webmath.com
Online tool that helps students solve math problems, showing step by step solutions. General math through calculus.
- GoMath - <http://www.gomath.com/>
Online tool that helps students solve math problems. Includes algebra and geometry calculators.
- Hot Math - <http://hotmath.com/>
Provides online help and guidance for math problems in most text books.
- Algebra Word Problem Solver - <http://www.cyberedinc.com/>
Software that can solve word problems.
- Conversion Tools – <http://www.convertit.com>
Basic online collection of conversion tools.
- Math Tips for Students with Visual Impairments - <http://www.tsbvi.edu/math/>
Ideas and recommendations for helping students with visual impairments learn math concepts.
- Algebra Solver – <http://www.algebrasolver.com/index.shtml>
An interactive, algebraic problem solver and graphing tool.
- Microsoft Math - <http://www.microsoft.com/math/default.aspx>
An all-in-one math homework solution. Solve equations, graph functions, use a fully-functional graphing calculator, solve triangles, and convert standard units.
- WebGraphing - <http://www.webgraphing.com/>
Online equation-graphing environment, from simple to advanced calculations.
- Cosmeo - <http://www.cosmeo.com/math/>
A fee-based, homework video-tutor for many national textbooks.

Online Resource “CD” – <http://www.fdlrs.com/ResourceKit>