Amazing Math Technology Interventions

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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/

Classroom Suite (IntelliMathics) – http://www.intellitools.com
Includes animation, manipulatives, text to speech, and multimedia to demonstrate basic math concepts.

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.telia.com/~u16122508/prolego.htm
A free Win virtual Lego land.

Lego Factory - http://factory.lego.com/
A free online virtual Lego land.

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

  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.

  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

  Provides basic definitions of math terms, along with text to speech so students can hear the definitions and visualizations.


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.

  Software that can solve word problems.

Conversion Tools – http://www.convertit.com
  Basic online collection of conversion tools.

  Ideas and recommendations for helping students with visual impairments learn math concepts.

  An interactive, algebraic problem solver and graphing tool.

  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.