

Alignment of Mathematical Skills to Instructional Tools for Students with Visual Impairments

INSTRUCTIONAL METHODS	MATHEMATICAL SKILLS	INSTRUCTIONAL TOOLS
Abacus	Counting	Ipad Application: UAbacus: practice tool to teach how to compute on the abacus APH: Abacus/instructional book
	Concepts of "sets" and place value	
	Operations of addition and subtraction	
Hands-on Manipulatives	Beginning problem solving and literate problem-solving skills	Base Ten Blocks APH: Blocks Brannan Cubarithm Slate and Cubes
	Number sense	
Braille/Large Print	Multiplication and division of fractions	APH flash cards, rulers, protractors, hundreds charts etc. Braille/Lg Print Perkins Braille Writer/ Braille Note Taker
	Measurement skills (rulers, protractors)	
	Geometry shapes	
Braille Codes	Graphs/charts	Brannan Cubarithm Slate and Cubes Perkins Braille Writer/Braille Sense U2
	Operations with addition, subtraction, multiplication, and division	
Tactile Graphics	Addition and subtraction of fractions	Flash cards, teacher made materials
	Charts and graphs	
Math Builders	Matching, sorting, and making patterns	APH: All available in Braille and Large Print Ipad App: Math Robot (\$4.00 APH) Drill & Practice for Basic Math
	Data Collection, graphing, & probability/statistics	
	Geometry	
	Measurement and estimation	
	Fractions, mixed Numbers, and decimals	
Math Window Braille	Basic math skills	http://www.mathwindow.com Available large print/Braille
	Algebra	
	Geometry	
Talking Calculator	Multiplication with multiple digits	APH: Large Print/Braille Braille Note
	Computing of fractions	
Graphic Calculator	Graphs and functions	APH Available