

## Case Study #2 – AT Category: Learning, Cognition, Development (SETT)

**Student** – 8th grader struggling with basic math concepts

**Environments** – General education classroom

**Tasks** – Learning how to perform simple math calculations by using both physical and virtual math manipulatives.


**Tools**

**Low-Tech**

**Mid-Tech**

**High-Tech**



MathLine (physical and virtual manipulative) and National Library of Virtual Manipulatives



STEP 1: Based on S-E-T data, enter descriptors or functions needed by the student across the shaded top row - 1 descriptor per column

STEP 2: Enter promising tools in the shaded left column - 1 tool per row

STEP 3: Note whether each tool matches a descriptor by placing an “X” in each of the applicable white boxes

Descriptors 	Teaches concrete methods of adding, subtracting	Teaches concrete methods of pre-algebra	Online math help	Easy to use		
Tools 						
Mathline	X	X	X	X		
Virtual manipulatives	X	X	X	X		

Modified from Joy Zabala’s SETT Scaffold for Tool Selection by Oklahoma ABLE Tech

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SETT forms and additional resources are available for download at <http://www.joyzabala.com>.