**Case Study #3 – AT Category: Learning, Cognition, Development (SETT)**

**S**tudent – High School Student who struggles with writing math equations

**E**nvironments – math, statistics, calculus, trigonometry classroom

**T**asks – writing out pre-algebra, algebraic formulas, fractions

**T**ools –

## **Low-Tech Mid-Tech High-Tech**

Writing tools, grips Chrome browser with Voice Recognition extension; MathTalk software

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

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| --- | --- | --- | --- | --- | --- | --- |
| **Descriptors** | Needs help writing with a pencil (essays or math)  | Aids writing out calculations  | Aids composition | Free | Easy to use |  |
| **Tools** |
| Writing bird, weighted pen | X |  |  |  |  |  |
| Chrome voice to text extension |  |  | X | X | X |  |
| MathTalk |  | X | X |  | With time it’s easy |  |
| Voice Recognition |  |  | X |  | With time it’s easy |  |