Employment Case Study #3 – AT Category: Math

Human – An engineer at a large company became paralyzed after an accident. Having limited use of her arms and hands, she began using Dragon Naturally Speaking voice recognition software. However, she was concerned about her ability to continue with mathematical functions.

Activity – create reports by typing; engineering calculations

Assistive Technology

Low-Tech	Mid-Tech	High-Tech

Laptop - Voice recognition - MathTalk

STEP 1: Based on HAAT data, enter descriptors or functions needed by the person 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 ⇨ Tools ⇩	Type by voice to text	Independently enter math equations and solve (by voice)	Portable and lightweight laptop	Operating system
Voice Recognition for typing	X	X		
MathTalk – hands free typing and navigation	X	X		
Laptop for work	X	X	X	

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