Standard: Digital Learning Environment
Element: 3.4 Adaptive and Assistive Technology
Class: ITEC 7430
Artifact: Assistive Technology Implementation Plan

Candidates facilitate the use of adaptive and assistive technologies to support individual student learning needs. (PSC 3.4/ISTE 3d)

1. **Briefly describe the artifact and the context in which it was created. What was your individual contribution(s)?**
   This artifact is a written report for a field experience where I worked with a **student with disabilities**. I **facilitated** the use of **adaptive and assistive technologies** to support a **student's learning needs.**

2. **Explain how this artifact demonstrates mastery of the standard/element under which it is placed.**
   To meet mastery of this standard I must facilitate the use of adaptive and assistive technologies to support individual student learning needs.
   During this field experience I met with a **student with disabilities** and her mother to determine the **adaptive and assistive** technology needs the student may have. During the interviews I discovered that the student was diagnosed with a learning disability in math just before her 11th grade year. Her mother describes the learning disability as fundamental mathematical gaps.
   I researched web-based strategies as well as **adaptive, assistive technologies** that would help the student. I found http://www.arcademicskillbuilders and http://www.amathdictionaryforkids.com/dictionary.html .
   I chose these sites because they are web-based and can be access easily from any technology connected to Wi-Fi. I spent most of our time on http://www.arcademicskillbuilders. The student liked the competition aspect. She also liked the math dictionary website because she needs pictures to learn concepts.
   Other documents that are included in the write up are the WATI Assistive Technology Consideration Guide and Assistive Technology Implementation Plan.

3. **What did you learn from completing this artifact? What would you do differently to improve the quality of the artifact or the process involved in creating the artifact?**
   The thing that I learned from this experience is that there are numerous technologies available to help students with disabilities. You must know the students' needs in order to determine the technology that will be effective. I also learned that when working on fractions in http://www.arcademicskillbuilders the student could do fractions if she could turn them into algebraic equations. This is an interesting way of doing fractions but it works for her.
   When looking at students with disabilities the thing that I would do differently next time is to use follow up by monitoring progress.

4. **How did the work that went into creating the artifact impact school improvement, faculty development or student learning? How can the impact be assessed?**

The work that went into creating this artifact impacts the student learning because there is a need for **adaptive and assistive technology** to support the **students learning needs**.

To assess the impact of this artifact a pre and post-test was administered to determine growth. The progress reports from http://www.arcademicskillbuilders was used check for understanding and growth.