

Portfolio Assignment: Ensuring Accessible UDL

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In the OER web page 2.1, which details learning preferences and strengths, there is a table that provides "detailed descriptions" of the popular framework based on the research by Howard Gardner on Multiple Intelligences. The table is divided into two columns. The first column lists one of Gardner's nine Multiple Intelligences. The second column provides a paragraph that includes a more thorough description of that particular Multiple Intelligence. Based on UDL Checkpoint 2.5, diverse learners may increase comprehension with visuals or alternatives to text. However, according to checkpoints within UDL guideline one, learners' perceptual ability will increase with alternatives to non-text representations.

In my portfolio project, I took the text-based table on Multiple Intelligences by Howard Gardner and created a video as a media-based representation of the concepts. The video was created simultaneously using TechSmith's Camtasia and Audiate, along with Microsoft PowerPoint. First, a PowerPoint slideshow was created for the first five of Gardner's Multiple Intelligences. The goal for using several technology tools was to provide multiple media for communication per Checkpoint 5.1. Moreover, each PowerPoint was unique for each Multiple Intelligence to help guide information processing and visualization per Checkpoint 3.3.

Each PowerPoint contained a title slide, then two additional slides with text-based content and an image. The "detailed descriptions" within the table on webpage 2.1 for Multiple Intelligences served as the text-based content for each slide. Additionally, each slide included an image highlighting the concepts presented in the text-based content. Finally, best practices for presentation graphics and text were employed to facilitate learner memory retention.

The next stage of my video process entailed chronologically combining an introductory and five subsequent PowerPoints. Next, I added narration to each PowerPoint slideshow and recorded it using Camtasia. Then, I created a video with a stand-alone Camtasia introduction, the introductory PowerPoint, and five additional PowerPoints on Gardner's Multiple Intelligences framework. Non-lyric, low-volume background music was added to the video. Then, Audiate was used to edit and create an accurate closed-caption file. The Audiate closed-caption file was added to my Camtasia video.

During the final process of my video production, the Camtasia file was exported to an Mp4 file with burned-in closed captions. Moreover, a separate MS Word document contains the closed captions found in the video. Finally, the goal of this media-based representation of Howard Gardner's Multiple Intelligences framework was achieved as it should facilitate diverse learner comprehension.