

Abstract

This project was created for my “Teaching and Learning with Technology” class, and I partnered with local students to answer our driving question. The overall driving question was how can we solve real world problems using technology. This project examines the use of technology to address the need for kindergarten students to develop early public speaking and teaching skills. Young learners require structured opportunities to build confidence and communicate effectively. In this study, students learned about the water cycle and conducted a hands-on experiment while using iPads to record themselves explaining the process. Students then visited another kindergarten classroom, where they were paired with a peer and used their recorded videos to teach the water cycle. The results indicate that students improved their public speaking skills and demonstrated increased confidence when presenting information. Additionally, the ability to rewatch their videos supported retention and understanding of the content. These findings suggest that integrating technology into early childhood instruction can effectively support communication skill development while reinforcing academic concepts. Overall, this project demonstrates that technology provides a practical and effective method for promoting student engagement, confidence, and long-term learning in early education.