Abstract

This project explores how technology can be used to solve real-world challenges in a preschool setting by improving how daily schedules are created and understood. Guided by the question, “How can we use technology to solve real-world problems in our community?”, we focused on supporting young children, especially non-readers, who may struggle to follow traditional text-based schedules.

In many classrooms, schedules rely heavily on written words, which can be confusing for preschoolers who are still developing literacy skills. To address this, we created a digital, visual scheduling system, with the input of the students, that combines images, icons, and simple labels to represent daily activities. Using technology, teachers can easily build, adjust, and display schedules that are engaging, clear, and accessible to all learners. In order to make it accessible for all students at all times, we are printing off a copy of the schedule so students can always view the schedule.

The inclusion of pictures helps children recognize routines, build independence, and transition more smoothly between activities. This project demonstrates how technology can be used in thoughtful, inclusive ways to meet the needs of a specific community. By transforming a basic classroom tool into an interactive and visual experience, we show how innovation can enhance learning, support development, and solve everyday challenges in early childhood education.