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**Project Title:** The effectiveness and challenges of performing with virtual instruments in the primary school music classroom

# Educational Research

## AED40A

## The Effectiveness and Challenges of performing with virtual instruments in the primary school music classroom

### Introduction

Virtual instruments have been seen and used by musicians during live performances and recordings. In the past few years, more music educators have been incorporating the use of these technologies into their music classroom, utilising these resources in the teaching and learning of musical concepts, as well as teaching students to play and create with these virtual instruments.

The purpose of this project is to identify how effective virtual instruments can be for performing in a music classroom, as well as the challenges of using it as teachers.

### Research Question

1. How have music educators been using virtual musical instruments for performing in primary level classrooms?
2. Can the use of virtual instruments for performing enhance primary students' learning?
3. What are some challenges reported on the use of virtual instruments for performing?

### Methodology

- Literature Review
- Databases and digital libraries used:
- Education Resources Information Center
  - JSTOR
  - RILM

### Findings

#### Effectiveness of performing with Virtual Instruments

- Key Finding 1:** Virtual instruments helps to engage and motivate students to perform music
- Key Finding 2:** Students are more creative when using virtual instruments for music performances

#### Challenges of performing with Virtual Instruments

- Key Finding 3:** Students may prefer the sound and touch of physical instruments as compared to virtual instruments

### Discussion

#### Effectiveness

- Learning Together
- Differentiation

