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# Kaleidoscope Music Framework

Created by Lauren Best for PCM Hub, 2023

## Tech Considerations

### Technical Considerations

The groups are designed for 2-5 participants.

To minimize interruptions due to technical problems, each child's family is sent a guide to describe how to set up for success and troubleshoot common issues. Muzie also has their own live technical support available so that the teacher doesn't need to stop teaching to troubleshoot.

Muzie allows for individual students to be muted and unmuted by the teacher, as well as private audio channels to be created (so that the teacher can listen to just one student and give private feedback without the whole class listening in, while the other students remain present on video).

### *Options for the Teacher or Facilitator*

- Muzie allows for connecting an external keyboard through MIDI, which can then play sounds and show notes on the built-in Muzie keyboard. This is optional, the classes have run successfully with and without using this MIDI option. The Muzie keyboard that is built in can also play notes by clicking or using the computer keyboard.
- Headphones - to hear students more clearly, monitor my own vocal sound, and prevent sound issues caused by noise cancellation or feedback controls.
- External microphone -A variety of mics were used including built-in audio, external USB microphone, mic with an audio interface, Loopback (audio software)
- Audio interface - the program has run successfully with no audio interface, however to provide more options (ie. to mix vocals with patched in instruments, loopback sound, etc) the facilitator added a Yamaha AG06 interface/mixer and a dynamic microphone.
- The program could be facilitated using other audio conferencing software instead of Muzie ie. using Zoom Rooms for 1:1 feedback rather than private audio channels.