**Technology in the Music Classroom Lesson Plan Assignments**

**Name \_Alex Gil\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Lesson Plan Type \_\_\_Creating\_Music\_\_\_\_**

**Lesson Title/Description:** Creating and improvising with a virtual ostinato.

**Class/Grade:** 4th Grade general music

**Lesson Time:** 45 minutes

**Standards:**

**MU:Cr1.1.4a** Improvise rhythmic, melodic, and harmonic ideas and explain connection to specific purpose and context.

**MU:Cr1.1.4b** Generate musical ideas (such as rhythms, melodies, and simple accompaniment patterns) with related tonalities (such as major or minor) and meters.

**MU.CR3.2.4a** Present the final version of personal created music to others and explain connection to expressive intent.

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| **Learning Outcomes** | **Assessment Evidence** |
| By the end of this lesson, students will be able to  Compose their own two bar ostinato in C pentatonic. | Evidence: Success is when the student presents the playback of his or her ostinato and it is musical and has good structure. |
| By the end of this lesson, students will be able to  Improvise in C pentatonic over an ostinato. | Evidence: Success is when the student can play along with their virtual ostinato on a virtual xylophone or glockenspiel. The improvisation should resolve to the tonic and line up rhythmically with their ostinato. |
| By the end of this lesson, students will be able to  Justify the decision they made in their creation and/or discuss any difficulties they faced in the process. | Evidence: Success is when each student can explain at least one creative decision or obstacle. |

**Prior Knowledge and Skills:**

* Students must already know that an ostinato is a repeated musical pattern.
* Students must be able to improvise rhythmically given a tempo or rhythmic framework.

**Materials:**

* Student Chromebooks
* Student Headphones
* Virtual Orff Instruments Link [Virtual Orff Instruments](https://musicwithmrsj.weebly.com/virtual-instruments.html)
* Chrome Music Lab Song Maker link [Song Maker](https://musiclab.chromeexperiments.com/Song-Maker/)
* Teacher Computer
* Projector
* Pencil and paper exit ticket.

**Learning Activities:**

Set up (7.5 minutes)

* Teacher should have computer on and connected to projector where all students can see the teacher’ screen.
* Student will follow along with teacher to set up the activity.
* Teacher opens the Chrome Song Maker link.
* Click settings on the bottom right corner.
* Change length to 2 bars.
* Change scale to pentatonic.
* Click the big blue check mark. Make sure students are caught up.
* Next, open a new tab in the same window and click on the virtual Orff instruments link.
* Click on Glockenspiel and click the green flag.
* Press C on the keyboard to put the instrument in C pentatonic.
* Make sure students are caught up. Assist any students having difficulties.

Teacher Modeling (5-7.5 minutes)

* Click onto the song maker tab.
* Have students watch but wait to begin their work.
* Create a two-bar ostinato by clicking in the boxes. Explain to students how each column is a half beat and that each row (colored box) represents a different note in the pentatonic scale.
* Show students how to add rhythm to their ostinato if they want using the bottom two rows.
* Show students how to play and pause their creation and how to adjust the tempo.
* Next, click over to the virtual Orff instrument.
* Show students how to use the number keys to play the instrument. Numbers 4 and 7 won’t work because we are in a pentatonic scale.
* Click over to the song maker tab and press play.
* Click over to the virtual instrument tab with the ostinato still playing and model how students will improvise over their creations. (Explain that students need to have the virtual instrument tab displayed in order to hear it)

Student work (20-25 minutes)

* At this time, allow students to work independently with their headphones.
* Teacher should walk around and monitor student work and help any students who need assistance.
* Teacher should have their own headphones to plug in and hear student progress.

Reflection (7-10 minutes)

* Students will write a reflection on an exit ticket.
* Students will write about a decision they made in their composition or an obstacle they encountered when creating their ostinato or improvising over it.
* If time permits, teacher will call upon a few volunteers to read what they wrote.