

Innovative Learning Plan	
Description:	Students will create and record a song to reflect their understanding of musical patterns by creating a cardboard guitar with Makey Makey.
General Overview:	First, students will be collaborating in small groups of 2-3 learners to design and create a guitar of their choosing with cardboard and other provided materials. Students will do this by moving throughout stations-including a design station, cardboard station, cutting station, aluminum foil station, cable station, Technology station, and recording station. The different stations will allow students to add the different components needed to successfully create the end product. Students will use Makey Makey to create the innovative technology experience of playing the cardboard guitar. Students will create a song to reflect their understanding of musical patterns. Then students will record their song on their digital device. Recording the end product will allow learners to share their learning with family members or other students at school via email with privacy guidelines in place.
Grade Level:	Third Grade
Subject:	Music- I chose music because our school recently became a Performing Arts School with an addition of an Art class. I started thinking of all the ways innovative technology can provide students with STEAM learning experiences.
Standards:	<p>MU:Cr2.1.3b Use standard and/or iconic notation and/or recording technology to document personal rhythmic and melodic musical ideas.</p> <p>MU:Cr2.1.3a Demonstrate selected musical ideas for a simple improvisation or composition to express intent, and describe connection to a specific purpose</p>
Learning Goals:	<ul style="list-style-type: none"> ● Students will create and arrange short songs and instrumental pieces using Makey Makey ● Students will collaborate with peers ● Students will describe characteristics of personal artistic work and ideas ● Students will gain vocabulary: USB cables, Alligator clips, wires, guitar, pitch, melody, collaboration
Innovative Technology:	Makey Makey- This technology connects to instructional strategies because students will be using Makey Makey to analyze, design, develop, implement, and evaluate a musical piece by playing a guitar. The purpose of creating a guitar is that there are endless opportunities for design. Unlike other Makey Makey instruments where you attach cables to objects, the guitar needs to be thoughtfully designed and cut out of cardboard. This will allow students the choice to represent their knowledge.
Inquiry:	Students will <i>design</i> and <i>create</i> their guitar out of cardboard. Students will <i>problem-solve</i> by experimenting with the technology in order to perform their song. For example,

	adjusting cables, attaching cables etc. Students will <i>play</i> by experimenting with different solutions to make musical notes using Makey Makey.
Student Engagement:	Students will be collaborating together when creating the guitar and problem-solving together to perform musical notes while using the innovative technology. Students will be strategically grouped in groups of 2-3 based on abilities and language proficiency. Therefore, students will improve confidence by working in small groups. Students will record their final product and have the option (with permission of privacy) to share with others. Many of our students have families living in other countries so they have an opportunity to share their learning with family around the world. Sharing may include sending an email with privacy guidelines set in place.
Assessment:	Makey Makey Guitar Rubric
Research:	Yelon (2001) explains there are many components that facilitate learning. He states that the goal is a real-world performance, which asks how the learning objectives fit into the real world activity or need. This project allows students to use real world problems-solving skills and collaboration to create a guitar and use innovative technology to create an end product of a song.

References:

Yelon S. L. (2001). *Goal-directed instructional design: A practical guide to instructional planning for teachers and trainers* [Video]. Michigan State University Media Space. https://mediaspace.msu.edu/media/Secret+of+Instructional+design/1_0cbt3v51