ARTS INTEGRATION LESSON FRAMEWORK (ARTS/OTHER DISCIPLINE)

Title: Measure and Make a Drum	Measure and Make a Drum K-3				
Subject/Content Area & Art Form: Social Studies, Math, Music			Lesson Duration: 65 minutes		
Driving Question: What size are the drums in	the video? How are th	ney made?			
Connected Objective: At the end of this lesson make their own drum using common materials		o estimate the size of a drum	, be able to infer what the drum is made of, and		
ubject/Content Area Objective		Art Form Objective			
Students will know: How natural resources influinstrument construction.	now: How natural resources influence music struction. Students will know: Why made to a certain size.	instruments are made from specific materials and			
Students will be able to: How to estimate size, r drum.	measure and make a	Students will be able to: M materials influence the sou	ake their own drum and discuss how size and ind.		
Subject Area Standard(s): Social Studies CC.3.R.1 Math KMD.A.2, 1MD.C.4, 2MD.A.3, 3MD.D.8	music and the other are contexts, and daily life. MU:Pr4.2.K a.With guidance, explo music contrasts (such a	re and demonstrate awareness of	21st Century Skills: (Choose skills that apply to lesson) Creativity & Innovation Critical Thinking & Problem Solving Collaboration & Teamwork Communication Cross-cultural Understanding		
Formative Assessment(s): Have students creat measurements including their estimate of Dan video and the actual sizes and materials of the drums	ny's drum in the		ake and play a drum for the class. Explain that ce the pitch and timbre of the drum- compare n the class.		

Lesson Materials/ Preparation:

- Melodic Planet interview with Danny Richardson and Rich Senegal
- Chromebooks/internet or presentations from lesson 1
- Rulers/measuring tape
- Large poster size paper
- Balloons
- Rubber bands
- Containers (any size from home)

Lesson Steps/Strategies for Learning

Introduce:

When teaching about how citizens make choices because of limited resources, read an excerpt from a text relative to a community problem and demonstrate understanding of the text by answering questions related to the resolution of the issue. Support answers by referring explicitly to the text. Resources:

Common Ground by Molly Bang. (Blue sky Press, 1997) ISBN -0-590-10056-4 Lesson plan to accompany the text available atwww.econed.org

- Engage: (5 min.) Watch the interview with Danny Richardson and Rich Senegal, the section on drum making is from 18:03-19:22. Discuss
 why Native people might have used different animal hides and different sizes of wood. (Natural resources around them, and having to
 move often or quickly).
- Build Knowledge: (10 min.) Look at tribes in several areas of the US. (See lesson 1- research a tribe). Discuss what natural resources the tribe would have and what sort of lifestyle they had, (nomadic or sedentary/agricultural). What size drums are they most likely to build?
- Deepen/Assess Understanding: (20 min.) Watching the video, what size is the drum Danny and Rich are playing? How can you estimate
 the size? Can you estimate how many people could sit around that drum? Use a large piece of paper to cut out a drum shape using the
 classes' measurement estimate. Test how many students can sit around the drum. (Actual dimensions- W 28"(diameter), H 16").
- Apply: (20 min.) Using a container of any size brought from home, make a drum by stretching a deflated balloon over one open end and securing it with a rubber band. For instructions and more ideas, see these sites:
- WikiHow, search "Make a Drum"
 SavyHomeMade, search Make a Drum

Have each student present their drum by playing it for the class. They should comment on if the drum has a high or low pitch and how the material, (metal, glass, plastic), might change the tone or timbre of the drum.

• Reflect: (10 min.) Measure each of the drums made by the students. Does the size affect the sound of the drum? How? What other factors might affect the sound? (Depth, material).