Item	Points	Points Missing/comments
Card 1 Explain Waves	Possible 10	
What are Waves	10	
Mechanical vs. Electromagnetic (Similar/Different)		
Card 2: What is Sound?	14	
What kind of waves are sound waves?	14	
How do sound waves travel?		
Pitch. What determines pitch?		
Examples 1234		
What makes sound loud?		
What units are used for sound intensity?		
Card 3: Doppler Effect	10	
	10	
What is the Doppler Effect?Give two different examples as either a video or a recording.1 2		
	10	
Card 4 Echolocation What is Echolocation?	10	
3 animals that use echolocation 1 2 3		
Card 5: How does sound waves travel and interact?	10	
	10	
Explain Constructive Interference (Picture)		
Explain Destructive Interference (Picture)		
Explain Diffraction (Picture)	10	
Card 6: Your Instrument and "Marry had a little lamb" Your own instrument	10	
Video of your playing "Marry had a little lamb"		
The video shows your face as you play the music. Card 7: Putting it all together	12	
Recording 1 Caption: What is the sound, Pitch, Intensity	12	
Recording 2 Caption: What is the sound, Pitch, Intensity		
Recording 3 Caption: What is the sound, Pitch, Intensity		
Recording 4 Caption: What is the sound, Pitch, Intensity		
Recording 5 Caption: What is the sound, Pitch, Intensity		
Recording 6 Caption: What is the sound, Pitch, Intensity		
Card 8: Sound Absorption	8	
Explain Sound Absorption and why it might be needed.		
Material 1: What is the material and how does it absorb		
Material 2: What is the material and how does it absorb		
Material 3: What is the material and how does it absorb		
Material 4: What is the material and how does it absorb		
Material 5: What is the material and how does it absorb		
Material 6: What is the material and how does it absorb		
Presentation	10	1
Introduce yourself, talk about your video, sounds, and absorption	-	
materials. Thanked the audience.		
Arts: Discuss the interrelated principals between music and other	4	
subject areas.		
Total	1	