

NOSB STEAM Leader Challenge Rubric: Ocean Acoustics			
Criteria Alignment	Pitch Criteria	Criteria Description	Total Points Possible
Administrative Review	Submission requirements	Was the application submitted by the deadline?	1
Administrative Review	Submission requirements	Was the required piece of artwork submitted?	1
Administrative Review	Submission requirements	Was the required accompanying slide presentation, with no more than 5 slides, submitted?	2
Administrative Review	Submission requirements	Was the required video submitted? Is the video no longer than three minutes?	2
Artistic Representation	Overall Quality	What is the artwork's overall presentation quality?	2
Artistic Representation	Aesthetic Appeal	Does the artwork provide visual, auditory, or other appeal?	3
Artistic Representation	Artwork connection to sound	Does the artwork clearly represent the chosen ocean sound phenomena and encourage audience engagement or exploration of the underlying concepts?	3
Artistic Representation	Innovation	Does the artwork creatively integrate the themes of data science, sound, and marine science?	3
Artistic Representation	Clarity	Does the artwork communicate its intended message about marine ecosystems, sound, and the role of data science?	3
Documentation Presentation	Technical Quality	Is the presentation clear with an overall cohesiveness between presenters and/or points of the presentation? Are images, text, and presenters displayed clearly and professionally?	3
Documentation Presentation	Creativity and Effectiveness	Does the slide presentation showcase and effectively explain the artwork?	3
Video Explanation	Topic Comprehension	Does the video clearly explain the student's thinking behind the chosen acoustics data, its significance, and how it impacted their submitted artwork?	3
Video Explanation	Topic Comprehension	Does the video explain how data, sound and marine science were combined in their artwork to engage and educate the audience importance of the data and its impact on our understanding of the ocean and its marine life??	3
Video Explanation	Passion and Enthusiasm	Does the video communicate passion and enthusiasm for the data used as related to the final artwork?	3
<b>Total Points</b>			<b>35</b>
Bonus	Accessibility: Explanation	If an accessibility description was submitted, does it clearly explain the artwork in a way that those with various disabilities could engage with the medium and understand the importance of ocean acoustics?	3
<b>Total Points</b>			<b>3</b>

Point Allocation
1 = Yes, 0 = No
1 = Yes, 0 = No
2 = Yes, submitted with 5 or less slides, 1 = Yes, but contained more than 5 slides, 0 = No
2 = Yes, and under 3 minutes, 1 = Yes, but over 3 minutes, 0 = No
2 = High quality, 1 = Moderate quality, 0 = Low quality
3 = Exceptional/striking aesthetics, highly appealing, 2 = Good aesthetics (good effort, but lacks polish), moderately appealing, 1 = Basic aesthetics (low efforts and lacks polish), lightly appealing, 0 = Poor aesthetics (lacks all effort and polish), not at all appealing
3 = Yes, outstanding clear representation and deep engagement, 2 = Somewhat, moderate representation and moderate engagement, 1 = Questionable, very limited representation and limited engagement, 0 = No, no clear representation or engagement
3 = Highly original integration (new perspective, creative techniques), 2 = Clear integration, but somewhat conventional, 1 = Limited or forced integration, lacks originality, 0 = Little to no integration of themes
3 = Message is clear, compelling, and deeply tied to marine science and data, 2 = Message is clear but lacks depth in its connection, 1 = Message is somewhat unclear, as is connection to themes, 0 = Message is very unclear or vague, or completely unrelated to themes
3 = Exceptional, 2 = Good, 1 = Needs Improvement, 0 = Insufficient
3 = Slides are highly effective at showcasing and explaining the artwork, 2 = Slides adequately showcase and explain the artwork, 1 = Slides fail to showcase the artwork or provide minimal explanation, 0 = Slides do not explain or showcase the artwork at all
3 = Thinking and process are clearly and compellingly explained, 2 = Thinking is explained but lacks clarity, 1 = Thinking is minimally explained or very unclear, 0 = Thinking is not explained at all
3 = Explanation is clear, detailed, and demonstrates a strong combination of elements, 2 = Explanation is somewhat clear but lacks balance between elements, 1 = Explanation is vague or does not adequately combine the elements, 0 = Explanation of combination is missing
3 = Passion and enthusiasm are clearly conveyed and enhance the video, 2 = Some enthusiasm/passion is communicated, 1 = Minimal enthusiasm/passion is communicated, 0 = No passion or enthusiasm is evident
3 = Exceptional explanation about accessibility for a wide range of audiences, 2 = Good explanation, but limited for some audiences, 1 = Minimal explanation and limited to an audience with no disabilities, 0 = Insufficient to no effort made toward accessibility