



Category	Exemplary (High Impact)	Proficient (Meeting Expectations)	Developing (Needs Improvement)
Data Accuracy & Visualization	<p>Accurately and innovatively represents primary trends or relationships observed in the dataset(s). The 3D structure enhances the audience's understanding of variability, comparisons, or core conclusions drawn from the mathematical analysis.</p>	<p>Accurately represents the primary trend or conclusion identified in the written report's "Data Trends or Comparisons". The visualization is based on the student's analysis of patterns in the data.</p>	<p>The 3D representation contains significant inaccuracies or fails to clearly depict the key data trend(s) or comparisons described in the written report.</p>
Connection to Local Context & Story	<p>Clearly communicates the data's relevance, connecting the patterns, issues, and stories directly to the local community. Provides meaningful insight into <i>why</i> the trend occurred, aligning with the concept of "Data Interpretation."</p>	<p>The analysis is leveraged to create a product that feels meaningful and real by linking the findings to the local community. The project helps transform the data into an accessible story or product that could support local stakeholders.</p>	<p>The connection between the visualization and the local community context or issue is unclear or too generic. The project does not effectively communicate a compelling story derived from the data.</p>

<p>Creative Use of 3D Medium</p>	<p>The 3D piece (model, sculpture, abstract art) is highly innovative and exceptionally well-crafted. The physical space, materials, or structure are utilized to explain complex data relationships in a way that would not be possible in a 2D format.</p>	<p>The 3-dimensional art piece or model is neat, well-organized, and utilizes the chosen medium to present the findings in an engaging way. The product clearly represents the creative transformation of the findings.</p>	<p>The physical construction lacks detail or neatness, or the use of the 3D medium is minimal, arbitrary, or detracts from the data's message.</p>
<p>Communication & Reflection</p>	<p>The Museum Display Card provides a thorough written explanation of the creative project, thoughtfully justifying the choice of the 3D method. It articulates a powerful and clear takeaway message for the audience. If the piece is abstract, the description is longer and highly detailed to ensure clarity.</p>	<p>Includes the required Museum Display Card, which is 2-5 sentences long, explaining why the chosen creative method was selected and what message the audience should take away.</p>	<p>The written explanation is missing, too brief, or fails to explain the rationale for choosing the 3D method or the intended message for the audience.</p>

Museum Display Card Template

Title: [Student's Title of the Artwork or Project]

Artist: [Student's Name], Grade [#], School

Medium: [Materials used — e.g., watercolor, mixed media, recycled materials, digital art, etc.]

Date: [Month, Year]

Project Description (in 2-5 sentences).

Imagine describing it to someone who has never heard of the topic. Include the scientific question you investigated and a brief claim about what the dataset showed. Give an overview of the project.

Title: **Sal del mer**



Artist(s): Susan Armstrong and Cal Stevens, Grade 8 CLA

Medium: Salt precipitate on sculpted pipe cleaners

Date: February 10, 2026

Description: Showcasing how salt levels (salinity) change in the Santa Rosa Sound in summer versus winter. Winter showcases the decrease in salt where warmer temperatures evaporate water, leaving salt behind. Winter rain fills the sound with more water, diluting the amount of salt found.