Students who demonstrate understanding can:

Next Generation Science Standards- Middle School Engineering Design

MS-ETS1-1.	Define the criteria and constraints of a design problem with sufficient precision to ensure a successful solution, taking into account relevant scientific principles and potential impacts on people and the natural environment that may limit possible solutions.
MS-ETS1-2.	Evaluate competing design solutions using a systematic process to determine how well they meet the criteria and constraints of the problem.
MS-ETS1-3.	Analyze data from tests to determine similarities and differences among several design solutions to identify the best characteristics of each that can be combined into a new solution to better meet the criteria for success.
MS-ETS1-4.	Develop a model to generate data for iterative testing and modification of a proposed object, tool, or process such that an optimal design can be achieved.

Common Core State Standards: 6th Grade ELA

SL.6.4	Present claims and findings, sequencing ideas logically and using pertinent descriptions, facts, and details to accentuate main ideas or themes; use appropriate eye contact, adequate volume, and clear pronunciation.
SL.6.5	Include multimedia components (e.g., graphics, images, music, sound) and visual displays in presentations to clarify information.
SL.6.6	Adapt speech to a variety of contexts and tasks, demonstrating command of formal English when indicated or appropriate. (See grade 6 Language standards 1 and 3 for specific expectations.)

National Core Arts Standards: Visual Arts

VA:Cr3.1.6a	Refine and complete artistic work ● Reflect on whether personal artwork conveys the intended meaning and revise accordingly.
VA:Re9.1.6a	Apply criteria to evaluate artistic work. ● Develop and apply relevant criteria to evaluate a work of art.

National Core Arts Standards: Media Arts

MA:Cr1.1.6	Generate and conceptualize artistic ideas and work. ● Formulate variations of goals and solutions for media artworks by practicing chosen creative processes, such as sketching, improvising, and brainstorming.
MA:Cr2.1.6	Organizing and developing artistic ideas and work. ● Organize, propose, and evaluate artistic ideas, plans, prototypes, and production processes for media arts productions, considering purposeful intent.
MA:Pr4.1.6	Select, analyze, and interpret artistic work for presentation. ● Validate how integrating multiple contents and forms can support a central idea in a media artwork, such as media, narratives, and performances.

Rubric Categories	5	4	3	2	1
Ideas	Clearly explored and expressed multiple ideas in unique ways	Explored and expressed in a fairly original way	Student project is original, but mostly based off an existing idea	Student followed a set of directions to complete the project, but explored a few new ways to alter the idea	Student followed a set of directions to complete the project, and did not explore new ways to alter the idea
Vocabulary	All vocab words used correctly: Pitch & Volume	1 vocab word used correctly, used a synonym for the other	1 vocab word used incorrectly, used a synonym for the other	1 vocab word used correctly	Missing vocabulary or not used correctly
Conventions	No Errors: spelling, grammar, punctuation, caps & paragraph	Very Few Errors: spelling, grammar, punctuation, caps & paragraph	Some Errors: spelling, grammar, punctuation, caps & paragraph	Many Errors: spelling, grammar, punctuation, caps & paragraph	Rough Draft Quality
STEM Connection	Connected all four parts of STEM clearly	Connected all four parts of STEM in some way	Connected all three parts of STEM	Connected all two parts of STEM	Connected all one part of STEM
Understanding and Application of Art Concepts	I apply all concepts, especially those stressed for the project	I make an effort to apply skills, especially those stressed for the project	I apply some the expected skills for the project	I rarely apply the expected skills for the project	I NO NOT apply the expected skills for the project
Presentation	Professional: Visual & Text white space balance, Font Size, Spacing, Borders, Overall Appearance	Few Issues: Visual & Text white space balance, Font Size, Spacing, Borders, Overall Appearance	Some Issues: Visual & Text white space balance, Font Size, Spacing, Borders, Overall Appearance	Many Issues: Visual & Text white space balance, Font Size, Spacing, Borders, Overall Appearance	Rough Draft Quality

Grade	