

Name:

Date:

Class:

Soundproof System Engineering and Presentation Rubric

Criteria	4	3	2	1
Research and Planning	Demonstrates a thorough understanding of soundproofing principles and develops a clear hypothesis for testing.	Shows a good grasp of soundproofing principles and formulates a hypothesis for testing.	Displays basic knowledge of soundproofing principles with a vague hypothesis for testing.	Shows limited understanding of soundproofing principles without a clear hypothesis for testing.
Materials and Construction	Selects and justifies materials effectively; implements the project with precision.	Chooses appropriate materials and provides some justification; executes the project competently.	Uses materials without clear justification; construction is somewhat effective.	Material selection lacks justification; construction is incomplete or ineffective.
Effectiveness and Creativity	Conducts thorough sound tests; demonstrates innovative and effective solutions.	Conducts sound tests; shows creativity in addressing soundproofing challenges.	Attempts sound tests; shows some creativity in problem-solving.	Does not conduct sound tests; lacks creativity in addressing challenges.
Hypothesis Testing	Designs and executes a comprehensive hypothesis test related to the soundproofing project, analyzing results effectively.	Conducts a hypothesis test related to the project, with some analysis of results.	Attempts a hypothesis test but lacks depth in analysis or execution.	Does not conduct a hypothesis test or analyze results.
Presentation and Teamwork (if applicable)	Presents project clearly and engagingly; collaborates effectively with team members.	Communicates project details effectively; demonstrates some teamwork skills.	Presents project with some clarity; shows limited teamwork skills.	Presentation lacks clarity; does not demonstrate teamwork skills.