

You be the Material Scientist Project Rubric

	Below Mastery 1	Partial Mastery 2	Mastery 3	Exceeds Mastery 4
	A	B	C	D
Delivery (Q1)	Holds no eye contact with audience, as entire report is read from notes Speaks in low volume and/or monotonous tone, which causes audience to disengage	Displays minimal eye contact with audience, while reading mostly from the notes Speaks in uneven volume with little or no inflection	Consistent use of direct eye contact with audience, but still returns to notes Speaks with satisfactory variation of volume and inflection	Holds attention of entire audience with the use of direct eye contact, seldom looking at notes Speaks with fluctuation in volume and inflection to maintain audience interest and emphasize key points
	A	B	C	D
Content, Organization, and Depth (Q2)	Does not have grasp of information and cannot answer questions about subject Does not clearly define subject and purpose ; provides weak or no support of subject; gives insufficient support for ideas or conclusions	Is uncomfortable with information and is able to answer only rudimentary questions Attempts to define purpose and subject; provides weak examples, facts, and/or statistics, which do not adequately support the subject; includes very thin data or evidence	Is at ease with expected answers to all questions , without elaboration Has somewhat clear purpose and subject; some examples, facts, and/or statistics that support the subject; includes some data or evidence that supports conclusions	Demonstrates full knowledge by answering all class questions with explanations and elaboration Provides clear purpose and subject; pertinent examples, facts, and/or statistics; supports conclusions/ideas with evidence
	A	B	C	D
Clarity of Topic (Q3)	Missing a title or statement of the main topic.	Includes a title that gives some information about the main topic.	Includes a title which gives information about the main topic.	Includes a clear title which gives specific information about main topic.
	A	B	C	D
Introduction (Q4)	There is no clear introduction or main topic and the structure of the paper is missing.	The introduction states the main topic but does not adequately preview the structure of the presentation.	The introduction states the main topic and previews the structure of the paper. Material science, synthetic, and natural are defined.	The introduction is engaging, states the main topic and previews the structure of the presentation. Material science, synthetic, and natural are defined.
	A	B	C	D
Materials (Q5)	Two or fewer synthetic materials are described. Chemical Properties of each material are not correctly identified. Physical Properties are not correctly identified.	Two synthetic materials are described. Chemical Properties of each material are correctly identified. Physical Properties are correctly identified.	Three synthetic materials are described. Chemical Properties of each material are correctly identified. Physical Properties are correctly identified.	Four or more synthetic materials are described. A diagram is created to show the material and each of its chemical and physical properties. Chemical Properties of each material are correctly identified. Physical Properties are correctly identified.
	A	B	C	D
Diagram (Q6)	No drawing is provided or drawing is not original to your group.	A drawing of your product is made. Incorrect units used (inches, feet, ...). Drawing is original to your group. Not taken from online.	A scale drawing of your product is made. SI units (cm, mm, etc...) are used to depict your product. Drawing is original to your group. Not taken from online.	Exceptional diagram/drawing of your product is made. Only SI unit are used . Drawing is original to your group. Product is original to your group.
	A	B	C	D

Citations/Bibliography (Q7)	No citations provided.	Few cited works , both text and visual, are done in the correct format.	Some cited works , both text and visual, are done in the correct format. Inconsistencies evident.	All cited works , both text and visual, are done in the correct format with no errors.
	A	B	C	D
Audience Participation (Q8)	Student does not actively listen or is disruptive.	Student actively listens but might discuss a presentation briefly with a peer.	Student actively listens, does not talk during presentations and does not work on other assignments. Student listens and asks questions.	Student is actively listening meaning listening to obtain information, and listening for understanding. Student asks at least two questions or asks for clarification. Does not talk when being presented to and does not work on other assignments during presentations.
	A	B	C	D
Research and Collecting Information (Q9)	My partner did not provide any help with collecting research and resources.	My partner provided some help in collecting research.	My project partner helped equally in collecting resources and helped me use the correct format.	My project partner provided extra help in collecting resources. They went above the requirements for collecting research.
	A	B	C	D
Team collaboration (Q10)	My partner was difficult to work with.	My partner provided some feedback but they were generally hard to work with.	My partner did not argue with team members. They worked with my opinions and provided feedback.	My partner worked hard to keep our team in agreement about the project. They provided alternatives or modifications that helped with disagreements.