Polymer Shark Tank Rubric

Project Title: _____

Group Member Names:

PART 1 - PRODUCT DEVELOPMENT

	4	3	1
Procedure 1st Draft	Present	Present but lacking	Not present
Peer Review	Constructive feedback	Completed, but insufficient feedback	Not completed
Procedure Revised	Completed	Completed but lacking	Not completed
Create Product	Product synthesized; procedural changes and observations noted; includes multiple picture of the process	Product synthesized but one criteria is lacking	One or more criteria is missing and/or product was not synthesized
Testing Product	Completed w/ results recorded	Completed but lacking	Not completed
Redesign/Retest	Changes are explained with sources.	Product is redesigned and retested but one other criteria is lacking.	Product was not redesigned nor retested

PART 2 – SCIENTIFIC ARTICLE

	4	3	2	1
Basic Info/Formatting	Article contains: title authors, date, 12pt, simple font, double spaced, and heading for each section	Article is missing 1 criteria	Article is missing 2-3 criteria	Article is missing more than 3 criteria
Introduction	Contains each of the 4 bullet points and demonstrates understating.	Missing 1 of the bullet points but demonstrates understanding	Missing 2 or more of the bullet points and demonstrates understanding	Missing 2 or more of the bullet points and demonstrates minimal understanding
Background	Contains each of the 4 bullet points and is specific to project.	Missing 1 of the bullet points and is specific to project.	Missing 2 or more of the bullet points and is less specific to project.	Missing 2 or more of the bullet points but is not specific to project.
Procedure	Includes all 3 criteria and shows complete understanding.	Missing 1 of the criteria but shows understanding.	Missing 2 or more of the criteria but shows understanding.	Missing 2 or more of the criteria but shows minimal understanding.
Results/Conclusion	Includes all 3 criteria and tables and graphs are labeled.	Missing 1 of the criteria but and graphs are labeled.	Missing 2 or more of the criteria but lacks some understanding.	Missing 2 or more of the criteria but shows minimal understanding.

Applications/Future Work	Includes all criteria and tables and shows complete understanding.	Includes all criteria and tables and shows some understanding.	Missing 1 criteria and tables and shows some understanding.	No criteria is present or criteria shows very minimal understanding.
Bibliography	Contains at least 5 sources At least 3 come from .edu, .gov, or .org All citations are accurate	Contains at least 5 sources At least 3 sources come from .edu, .gov, or .org Most citations are accurate.	Contains at least 4-5 sources 2-3 sources come from .edu, .gov, or .org But, Citations are inaccurate or incomplete	Contains fewer than 5 sources Only 1 source comes from .edu, .gov, or .org Citations are very incomplete.

PART 3 – PITCH

	4	3	2	1
PowerPoint	Includes all criteria	Is missing 1-2 criteria	Is missing 3-4 criteria	Is missing 5 or more criteria
Visual/Artistic Aid	Included and adds value	Included but value is vague	X	Not included and/or add no value
Delivery	Includes all 3 criteria	Is missing 1 criteria	X	Does not present
Quality of Product	Clear examples of product, labeled, properly handled/presented	Has product, but poorly handled/presented	x	No product
Validity	Explained in detail important claims and decisions supported by research or data specifically sited	Explained some claims and decisions Referred to some of research or data, but not specific	Explained few claims and decisions Referred to one aspect of research or data, but not specific	Claims and decisions unclear. No reference to research or data collected.
Creativity	Above expectations, unique, can tell it took time and effort, high quality	Meets expectations, somewhat unique, put in time and effort, good quality	Somewhat meets expectations, some thought put, generic ideas, missing quality	Did not meet expectations, sloppy, looks last minute or not much effort put in.
Cost Analysis & Environmental Impact	Included detailed info about cost, efficiency, and environmental impact specifically supported by research or data	Included some info about cost, efficiency, and environmental impact supported by research or data	Included one aspect about cost, efficiency, or environmental impact supported by research or data not specific	Did not include anything about cost, efficiency, or environmental impact. OR Included but without any support from research or data and not specific.