Name: \_\_\_\_\_

Pick at least five of the eight standards to cover in your research presentation on Interdependent Relationships in Ecosystems (Life science) and Engineering Design.

NGSS Standard	(4) Excellent	(3) Good	(2) Almost	(1) Not Yet
HS-LS2-1	Used effective mathematical and/or computational	Used some mathematical and/or computational	Used poor mathematical and/or computational	Used no mathematical and/or computational
	representations to support	representations to support	representations to support	representations to support
	explanations of factors that			
	affect carrying capacity of			
	ecosystems at different	ecosystems but not at	ecosystems but not at	ecosystems at different
	scales.	different scales.	different scales.	scales.
HS-LS2-2	Used effective mathematical	Used some mathematical	Used poor mathematical	Used no mathematical
	representations to support	representations to support	representations to support	representations to support
	and revise explanations	and revise explanations	and revise explanations	and revise explanations
	based on evidence about			
	factors affecting biodiversity	factors affecting biodiversity	factors affecting biodiversity	factors affecting biodiversity
	and populations in	and populations in	and populations in	and populations in
	ecosystems at different	ecosystems but not at	ecosystems but not at	ecosystems but not at
	scales.	different scales.	different scales.	different scales.
HS-LS2-6	Effectively evaluated claims,	Evaluated some claims,	Evaluated few claims,	Did not evaluate claims,
	evidence, and reasoning that			
	the complex interactions in an ecosystem maintain			
	relatively consistent numbers	relatively consistent numbers	relatively consistent numbers	relatively consistent numbers
	and types of organisms in			
	stable conditions, but	stable conditions, but	stable conditions, but	stable conditions, but
	changing conditions may	changing conditions may	changing conditions may	changing conditions may
	result in a new ecosystem.			
HS-LS2-7	Effectively designed,	Designed, evaluated, and	Designed, evaluated, and	Did not address a design,
	evaluated, and refined a	refined a moderately	refined an unrealistic solution	evaluation, or refine a
	solution for reducing the	plausible solution for	for reducing the impacts of	solution for reducing the
	impacts of human activities	reducing the impacts of	human activities on the	impacts of human activities
	on the environment and	human activities on the	environment and	on the environment and
	biodiversity.	environment and	biodiversity.	biodiversity.
		biodiversity.		
HS-LS2-8	Effectively evaluated the	Somewhat evaluated the	Insufficiently valuated the	Did not evaluate the
	evidence for the role of group behavior on individual	evidence for the role of group behavior on individual	evidence for the role of group behavior on individual	evidence for the role of group behavior on individual
	and species' chances to			
	survive and reproduce.	survive and reproduce.	survive and reproduce.	survive and reproduce.
HS-LS4-6	Effectively created or revised	Created or revised a	Created or revised an	Did not create or revise a
115 254 0	a simulation to test a solution	moderately plausible	unrealistic simulation to test	simulation to test a solution
	to mitigate adverse impacts	simulation to test a solution	a solution to mitigate adverse	to mitigate adverse impacts
	of human activity on	to mitigate adverse impacts	impacts of human activity on	of human activity on
	biodiversity.	of human activity on	biodiversity.	biodiversity.
		biodiversity.		
HS-ETS1-2	Effectively designed a	Designed a moderately	Designed an unrealistic	Did not design a solution to a
	solution to a complex real-	plausible solution to a	solution to a complex real-	complex real-world problem
	world problem by breaking it	complex real-world problem	world problem by breaking it	by breaking it down into
	down into smaller, more	by breaking it down into	down into smaller, more	smaller, more manageable
	manageable problems that	smaller, more manageable	manageable problems that	problems that can be solved
	can be solved through	problems that can be solved	can be solved through	through engineering.
HS- ETS1-3	engineering. Effectively evaluated a	through engineering. Evaluated a moderately	engineering. Evaluated an unrealistic	Did not evaluate a solution to
L2- E12T-2	solution to a complex real-	plausible solution to a	solution to a complex real-	a complex real-world
	world problem based on	complex real-world problem	world problem based on	problem based on prioritized
	prioritized criteria and trade-	based on prioritized criteria	prioritized criteria and trade-	criteria and trade-offs that
	offs that account for a range	and trade-offs that account	offs that account for a range	account for a range of
	of constraints, including cost,	for a range of constraints,	of constraints, including cost,	constraints, including cost,
	safety, reliability, and	including cost, safety,	safety, reliability, and	safety, reliability, and
	aesthetics, as well as possible	reliability, and aesthetics, as	aesthetics, as well as possible	aesthetics, as well as possible
	social, cultural, and	well as possible social,	social, cultural, and	social, cultural, and
	environmental impacts.	cultural, and environmental	environmental impacts.	environmental impacts.
	environmental impacts.	impacts.	environmental impacts.	chivitoninicitat impacts.