Pulley Islands – Learning Dimensions Framework & NGSS

DIMENSION	DESCRIPTOR	Observed	Notes
Initiative and	Learners take		
Intentionality	intellectual and	Y OR N	
	creative risks; work		
	without a blueprint		
Problem Solving and	Learners engage in		
Critical Thinking	troubleshooting	Y OR N	
	through iteration		
Creativity and Self	Learners engage in		
Expression	playful exploration	Y OR N	
Social and	Learners build on or		
Emotional	remix the ideas or	Y OR N	
Engagement	projects of others		
Conceptual	Learners are able to		
Understanding:	identify and that		
NGSS DCI	objects in contact	Y OR N	
	exert forces on one		
3-PS2-1:	another.		
Plan and conduct an	T 1 .1		
investigation to	Learners observe the		
provide evidence of	strength and		
the effects of balanced	direction of the		
and unbalanced forces	forces at work in		
on the motion of an	their pulley system		
object.	T		
Conceptual	Learners ask and		
Understanding:	refine questions that	VODN	
NGSS practices	lead to descriptions	Y OR N	
	and explanations of how the world		
	works and which		
	can be empirically		
	tested		
Conceptual	Students identify	Y OR N	
Understanding:	cause and effect		
Crosscutting	relationships		
Concepts	Telasionompo		
Concepts			