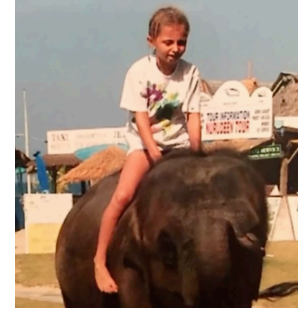


5 - Summary Table - Ning Nong Storyline

Phenomenon: A young elephant in Thailand named Ning Nong, sensing the impending 2004 tsunami, carried an eight-year-old girl to safety before the waves struck. [Driving question board](#)

Guiding question: How did Ning Nong sense and respond to the tsunami?



Supporting phenomenon	Link to work	What we did	What we figured out	How does this connect to the phenomenon
Cheerios box	Link	<ol style="list-style-type: none"> Develop a model to describe the singing Cheerio box. <ol style="list-style-type: none"> Made observations through sight/touch/sound of the Cheerio Box. 	We can feel the vibrations when touching the box but we can't see the vibrations by looking at the Cheerio box.	Ning Nong could feel the vibrations through its feet from the earthquake and tsunami but not see it.
Sims and Data	Link	<ol style="list-style-type: none"> Looked for patterns from two video simulations of 2004 Indonesia Tsunami. <ol style="list-style-type: none"> Made observations <ol style="list-style-type: none"> color/time/duration Hurt brain 	The tsunami was not immediate after the earthquake. Earthquake vibrations that were felt, were maybe aftershocks.	Amber said she felt the quake when eating breakfast, which shows there was time between the earthquake and the tsunami happening. It also shows that the Tsunami was not instant because the water needed to recede.
Head it Catch it	Link	<ol style="list-style-type: none"> Carried out an investigation related to a soccer drill. 	You need more processing time when needing to do the opposite of the command because it is your instinct to follow the command.	Ning Nong heard commands from the trainer to stay on the beach but went against his instinct. It decided to go to higher ground.

Tones	Link	1. Carried out an investigation related to listening to different tones and seeing who is able to hear the different frequencies.	Humans are not able to hear low frequency sounds.	Ning Nong was able to hear something that humans were not able to hear.
Shaker and Storms	Link	1. Evaluated research that was conducted that showed elephants reacting to sounds above and underground.	Elephants are quicker to respond to underground vibrations versus sirens (over ground?)	Ning Nong was able to hear underground sounds that humans couldn't hear. He responded to a potential threat.

How did Ning Nong sense and respond to the tsunami? #5

Model:

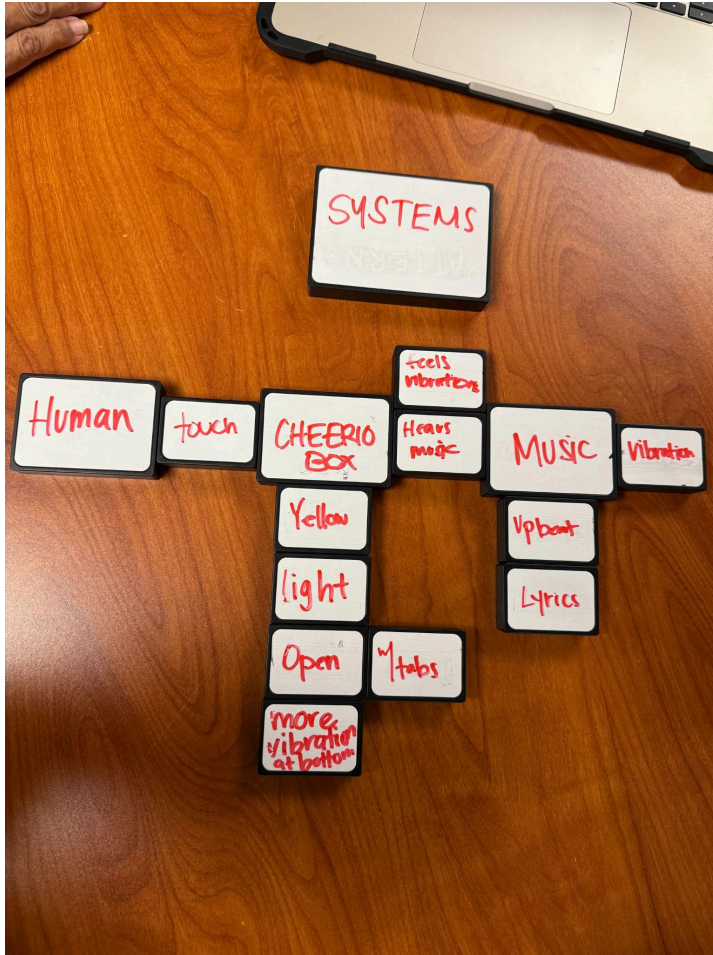
CAUSE	EFFECT
* Felt earthquake in the morning	* Continued routine to the beach.
* Water receding	* Ning Nong pulls away to higher ground
	* Drops Amber off to a high wall & runs to high ground
* Missed bfast	* trying to go back to get his bfast.
* low tide	* Dinner time?!

Test:

Initial Model

Cheerios - [Back to summary table](#)

Show your work below (i.e. text, model images, questions, data etc.)



Sims and Data - [Back to summary table](#)

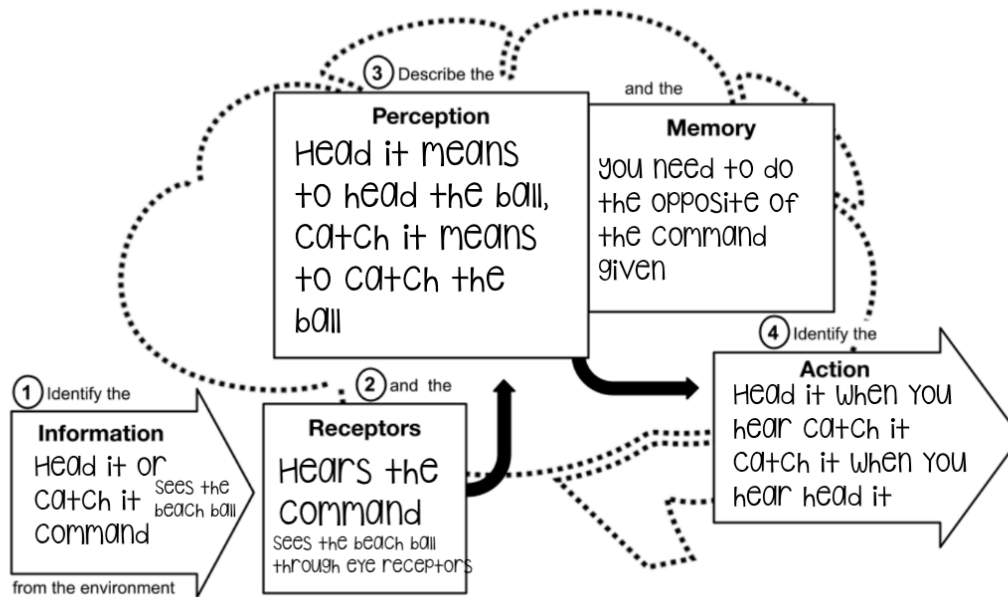
Show your work (i.e. text, model images, questions, data etc.)

Patterns

- The energy spread out in the area
- Around 30 minute the first wave hits
- Around 2 hours after earthquake the first 10 feet tsunami hits
- Were there multiple earthquakes?

Head it Catch it - [Back to summary table](#)

Show your work (i.e. text, model images, questions, data etc.)



Tones - [Back to summary table](#)

Show your work (i.e. text, model images, questions, data etc.)

Shakers and Storms - [Back to summary table](#)

Show your work (i.e. text, model images, questions, data etc.)

