WHEN MATHS MEETS TECH AND SCIENCE

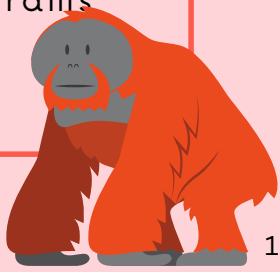
Activity One: Ethogram

Step One: Together we will visit the Sumatran Orangutan exhibit or the tiger exhibit and complete an ethogram/observation chart.

Step Two: Look closely at the elements in the enclosure - what design features are necessary for the animal's well-being and why? What has been added to the enclosure to replicate something 'natural' for this animal? Does it look natural? Why/why not? Record your thinking (Notes). What math connections do you see?

Step Three: What has been replicated to enable a natural need or behaviour? How can the behavioural data we collected be used?

You may like to record your thinking on camera and show the features visually for your journal. Share your ethograms on Padlet



ethogram / observation chart

Species/Exhibit: _____ Date: _____ Time: _____ Weather: _____

Time	Behaviour category*	Behaviour Description
1 minute		
2 minutes		
3 minutes		
4 minutes		
5 minutes		
6 minutes		
7 mintues		
8 minutes		
9 minutes		
10 minutes		

*This can be completed at a later date if pre-determined categories have not been shared

ethogram / observation chart #1

Species/Exhibit: _____ Date: _____ Time: _____ Weather: _____

Time	Behaviour category*	Behaviour Description
1 minute		
2 minutes		
3 minutes		
4 minutes		
5 minutes		
6 minutes		
7 mintues		
8 minutes		
9 minutes		
10 minutes		

*This can be completed at a later date if pre-determined categories have not been shared

ethogram / observation chart # 2

Species/Exhibit: _____ Date: _____ Time: _____ Weather: _____

Time	Behaviour category*	Behaviour Description
1 minute		
2 minutes		
3 minutes		
4 minutes		
5 minutes		
6 minutes		
7 mintues		
8 minutes		
9 minutes		
10 minutes		

*This can be completed at a later date if pre-determined categories have not been shared

notes