

Population Change Chart and Template

Note to teachers: Feel free to use the values provided, or decide on the values as a class as a warm-up to the activity. Each of the species listed below correlate to a specific bead colour. This allows the students to better visualize species populations continuously.

Population Change Chart			
Species	Reproduction Rate (Per pair)	Predation Death	Natural Death
Wolf	+2	0	1 per turn
Elk	+3	1 death per 4 wolves	2 per turn
Coyote	+3	1 death per 5 wolves	1 per turn
Willow	+4	1 death per elk	1 per turn
Grizzly Bear	+2	0	1 per turn
Mouse	+6	1 death per raptor	4 per turn
Eagles	+2	0	1 per turn
Beaver	+4	1 death per 2 coyote	1 per turn

Population Change Template						
Species	Current Population	Reproduction	Predation Death	Natural Death	Total population +/-	Total Change
Wolf	(example) 4	+4	0	-1	+7	+3 (add three blue beads)
Elk						
Coyote						
Willow						
Grizzly Bear						
Small Mammal						
Birds & Raptors						
Beaver						

*If possible, have students compute population change using tables on Excel or Word.