

Beak Adaptation Lab

Problem Statement: You are going to mimic how the variations of Darwin's finches compete for the same food sources. Pretend that the brown colored beans are seeds for the birds. Natural selection happens when a population changes in response to their environment.

Hypothesis: If I had the _____ adaptation, then I would be the most fit for survival in the grass environment.

Materials and Procedures: See teacher

Data:

		1 st Generation					
<i>Beans</i>		Knife	Spoon	Fork	Taped	Hand	Total
<i>Brown</i>							- 100 =

		2 nd Generation					
<i>Beans</i>		Knife	Spoon	Fork	Taped	Hand	Total - Previous Survivors
<i>Brown</i>							

		3 rd Generation					
<i>Beans</i>		Knife	Spoon	Fork	Taped	Hand	Total - Previous Survivors
<i>Brown</i>							

		4 th Generation					
<i>Beans</i>		Knife	Spoon	Fork	Taped	Hand	Total - Previous Survivors
<i>Brown</i>							

Graphing:

Create *one* line graph with the generations on the x-axis and the total number of beans on the y-axis. Use a legend and colored pencils to graph all of the five-beaked adaptations.

Analysis:

1) Independent variable: _____ Dependent variable: _____

Constants: _____

2) Which finch became extinct first and explain why it was not the adapted for survival?
