



Clippy Island: An Investigation into Natural Selection

TABLE
3.1



Calorie values of food on Clippy Island

FOOD TYPE	FOOD DESCRIPTION	CALORIES (SCORE)
RED BEANS 	Small red mung bean	10
WHITE BEANS 	Large white butter bean	5
BLACK BEANS 	Round black bean	2

Clippy Island: An Investigation into Natural Selection

TABLE 3.2

The Feeding Rules

Springbeaks have 30 seconds to feed per season

Springbeaks must pick up beans one at a time with their beaks like tweezers and place them in their stomachs (the plastic cups)

Springbeaks do NOT scoop up beans or shovel them into the clip. Cheating results in automatic extinction!

Springbeaks count the number of beans they picked up during the feeding season.

Whether the Springbeak dies, survives or survives and reproduces is dependent on the number of calories it can eat in one season.



Clippy Island: An Investigation into Natural Selection



The Threshold for Survival: Food Requirements

BEAK SIZE	DIE	SURVIVE	SURVIVE AND REPRODUCE
BIG BEAK	Less than 75 calories	75 calories	150 calories
MEDIUM BEAK	Less than 50 calories	50 calories	100 calories
SMALL BEAK	Less than 25 calories	25 calories	50 calories
GAPING BEAK	Less than 100 calories	100 calories	200 calories
TINY BEAK	Less than 10 calories	10 calories	20 calories

Note: If the score is **trebled** then the Springbeak reproduces twice

Clippy Island: An Investigation into Natural Selection

North Island



Clippy Island: An Investigation into Natural Selection

South Island

