PROJECT GUTS
CODE
Growing Up Thinking Scientifically

Model observation Form

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Model name: Mystery Model

Abstractions
Who are the <u>Agents</u>?   Fish and Zooplankton What is the <u>Environment</u>? Ocean What are the <u>Interactions</u>? Fish are eating the Zooplankton and Multiplying As the Fish population increases the Zooplankton supply decreases   *How much time does the main forever loop represent? (minutes? days? months? years?) days*   *What are the variables of interest? Number of Fish, Number of Zooplankton, Number of days*

Automation
What happens each time through the forever (or main) loop? Fish eat the zooplankton and they multliply as the zooplankton decreases

Assumption(s)
What real life elements or behaviors were left out of this model? Larger fish eating smaller fish, pollutants in the waterways killing the fish

Analysis
What patterns did you observe? Do these patterns occur in real-life?The loop time decreases as the fish population increases