Oodles of Noodles

This predator/prey activity will help you to understand the factors involved in being an effective hunter. The quad-colored noodles will serve as your prey. You will have 15 seconds to hunt in the field. You will have to collect as many prey as you can. You will have two hunts, in different locations, so you will have to be responsible for keeping your prey separated because we will chart everyone’s capture for both hunts.

Use the chart below to fill in your numbers:

Hunt 1:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Yellow | Orange | Green | Maroon |
| Self |  |  |  |  |
| Class |  |  |  |  |

Hunt 2:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Yellow | Orange | Green | Maroon |
| Self |  |  |  |  |
| Class |  |  |  |  |

I will put everyone’s numbers on the smart board, and ultimately my weebly so you can download the data.

You will write an essay for this project, answering the following questions:

1. What types of predators exist in biomes simulated today?
2. What are the limiting factors in the ecosystem that would affect where predators and prey are located?
3. Why do you think some noodles were harder to find than others? Did the location of the hunt make a difference? How does this relate to real life?
4. How do the numbers of predators affect the overall numbers of prey?
5. What is an effective predator?
6. How can prey evade their predators?
7. How does this relationship differ from other symbiotic relationships?
8. Hoe does hunting play a role in the predator/prey relationship?

The focus of the essay is on the predator/prey relationship. Use the questions above to formulate your thoughts as to how this activity is used to simulate not only the predator/prey relationship, but also the limiting factors that affect their environment (consider “urban sprawl”). **Due date Friday, April 13, 2018.**