



Grade 7 Science

Unit 2: Ecosystems



Predator and Prey

What is a predator? An organism that hunts other organisms for food.

What is a prey? An organism that is hunted by other organisms for food.

Today we are going to play a game to help us look at the predator/prey relationship. On the next slide I will explain the rules to this game. Please pay close attention as I explain the rules, so that I do not have to re-explain things once we get outside to play.

Anyone goofing around will not play the game.



Predator and Prey

- The game starts with one student as a "fox" and the other students all as "rabbits."
- We play tag until the fox "catches" a rabbit.
- If the fox catches a rabbit, it means they have eaten:
 - The fox survives, and stays a fox
 - The rabbit is dead, and the energy it had becomes energy for the fox, therefore, it becomes a fox
- We then start a new round, repeating multiple times.
- If a fox does not catch a rabbit, it means they have not eaten:
 - The fox dies, its body decomposes into the soil, which gives nutrients to the grass, which is eaten by the bunny, providing the bunny with energy, it becomes a bunny
- We will play around 10 rounds, recording the number of foxes and rabbits at the end of each round.
- Each round a fox may only catch one bunny.
- Once a fox catches a bunny, it is to return to "Father Time"



Results

Here are your classes results for the predator/prey game.

Round	Number of Foxes	Number of Hares
Initial	1	25
1	2	24
2	4	22
3	8	18
4	16	10
5	18	8
6	14	12
7	20	6
8	12	14
9	20	6
10	12	14

Your homework is to make a graph of this game data. You are to apply your knowledge of graphs to choose the appropriate type of graph, and also to format it appropriately.

Your graph should be:

- Neat
- Organized
- Contain Colour
- Display the Data Appropriately

Your graph is due next class.

Predator and Prey

Let's look at an example of what the graph may look like:

