

EVERGLADES POPULATION GAME

MATERIALS:

- Game Board
- Playing Pieces- unifix cubes
 - GREEN (40 pieces)
 - PINK (20 pieces)
 - BLUE (10 pieces)
 - YELLOW (10 pieces)
- 1 Die (number cube)

OBJECT OF THE GAME:

The object of the game is to keep your animal population from becoming extinct. The game is over when either (A) only one species remains or (B) after 6 rounds. If you use Option B, the species with the highest population increase after 6 rounds is the winner.

PLAYERS:

2- 3 players

- Player 1: Rabbit Population
- Player 2: Alligator Population
- Player 3: Recorder/Python Population
 - For the first game, Player 3 will be the recorder but in game 2 when the Python is introduced, Player 3 will take the additional role of the Python Population.

RULES:

Starting Pieces

- 5 Alligators (blue)
- 15 rabbit (pink)
- 34 Grass (green)
- 2 Burmese Python (yellow) **NOT USED IN THE FIRST GAME**

1. Each player rolls the dice to see who will be the first to place ALL their game pieces on the game board in any arrangement they choose. The player with the lowest roll places their pieces first and then the next lowest roll goes second. There may be only one game piece per square and no game pieces can be placed in the alligator hole or on a space occupied by a tree.
2. After all the game pieces have been placed on the board, place the grass (34 green cubes) on the board in the free spaces.
 - NOTE: When another game piece is introduced (python) the grass may be placed on tree spaces if necessary.
3. The player who rolled the highest roll takes the first turn.
4. On a player's turn they roll the dice and can move their game pieces the number of moves specified on the dice.
 - The player can move multiple game pieces in one turn but the total number of moves cannot exceed the amount they rolled. For example, if a player rolls a 5, they can move one game piece 2 spaces and another game piece 3 spaces.

- Game pieces may not move diagonally but can move forward, backward, left and right. If a game piece is moved during a turn and the final space it lands on at the end of the player's turn is occupied by another game piece, the following rules apply:
 - **Rabbit Game Piece:**
 - When a rabbit game piece lands on a space with GRASS...it gets to "eat" the grass. Stick the rabbit game piece on top of the grass game piece. The grass now travels with the rabbit that has "eaten" it.
 - When a rabbit game piece lands on a space with an ALLIGATOR, it gets "eaten" by the alligator. Stick the alligator game piece on top of the rabbit game piece. The rabbit now travels with the alligator that has "eaten" it.
 - **Alligator Game Piece:**
 - When an alligator game piece lands on a space with GRASS, it will move the grass to a free space.
 - When an alligator game piece lands on a space with a RABBIT, it gets to "eat" the rabbit. Stick the alligator game piece on top of the rabbit game piece. The rabbit now travels with the alligator that has "eaten" it.
 - When the alligator lands on a space with the python, a dice roll must determine who will win the battle (highest roll "eats" the other).
 - **Python Game Piece:** **NOTE: PYTHON GAME PIECE IS NOT INTRODUCED UNTIL GAME 2**
 - When a python game piece lands on a space with GRASS, it will move the grass to a free space.
 - When a python game piece lands on a space with a RABBIT, it gets to "eat" the rabbit. Stick the python game piece on top of the rabbit game piece. The rabbit now travels with the python that has "eaten" it.
 - When the python lands on a space with the alligator, a dice roll must determine who will win the battle (highest roll "eats" the other).
 - **NOTE:** A player can break up its moves so that one game piece may move more than one time in a turn. For example, if you roll a 6, one game piece may move 2 spaces, three times. Each of the three moves for that particular game piece will cause it to land on three different spaces. In this way, the game piece will be allowed an opportunity to "eat" multiple times in a turn.
5. After every round, be sure to record the ending population for the grass, rabbits, alligator, and python (when added).
6. After every 2 rounds, there is a Cycle of Life Round Up. During this time, the following actions occur:
- (A) Every piece you have on the board that does not have at least one food item will die (and must be removed from the board).
 - Each rabbit must have 1 grass pieces to survive
 - Each alligator must have 1 rabbit (or python) to survive
 - Each python must have 1 rabbit (or alligator) to survive
 - (B) Every piece remaining with a food source may reproduce (see below).
 - To calculate the number of offspring reproduced per species, see formula below:
 - RABBIT: Number of Surviving Species x 2 = # of offspring
 - ALLIGATOR: Number of Surviving Species x 0.5 = # of offspring
 - PYTHON: Number of Surviving Species x 1 = # of offspring
- NOTE: When calculating the number of offspring reproduced, round up to the nearest whole number.**
7. At the end of the Cycle of Life Round Up:

PLAYING PIECES:

Alligator

STARTING POPULATION: 5

EAT

- When the Alligator comes into contact with the rabbit, it eats the rabbit (take the rabbit piece).
- When the Alligator comes into contact with the python, a dice roll must determine who will win the battle (highest roll "eats" the other).

DIE

- If the Alligator goes without eating at least one rabbit per 2 rounds, it automatically dies.

REPRODUCE

- Every two rounds, the alligator reproduces. The number of offspring is determined by the current surviving alligator population (on the board) x a reproduction factor (number of times the alligator reproduces in a year).
- Reproduction Factor: 0.5

Rabbit

STARTING POPULATION: 15

EAT

- When the rabbit comes in contact with grass, it eats the grass.

DIE

- If the rabbit goes without eating at least one grass pieces per 2 rounds, it automatically dies.

REPRODUCE

- Every two rounds, the rabbit reproduces. The number of offspring is determined by the current surviving rabbit population (on the board) x a reproduction factor (number of times the rabbit reproduces in a year).
- Reproduction Factor: 2

Burmese Python

STARTING POPULATION: 2

EAT

- When the Burmese Python comes into contact with the rabbit, it eats the rabbit (take the rabbit piece).
- When the Burmese Python comes into contact with the alligator, a dice roll must determine who will win the battle (highest roll "eats" the other).

DIE

- If the Burmese Python goes without eating at least one rabbit per 2 rounds, it automatically dies.

REPRODUCE

- Every two rounds, the Burmese python reproduces. The number of offspring is determined by the current surviving python population (on the board) x a reproduction factor (number of times the python reproduces in a year).
- Reproduction Factor: 1