

# Games of Math and Logic

Instructor: Candice Renaker

Do you love to play games? In this class we will learn how to play wonderful, meditative single-player logic games such as Sudoku, KenKen®, Battleships, traditional logic grid puzzles, and more! Students will also compete in a multiplayer hypothetical Wiffle Ball tournament that involves statistical analysis of theoretical versus experimental probability.

**Objective:** Students will learn how to play several math and logic games. Through playing the games, students will strengthen their critical thinking skills.

**Required Materials:** Pencil, eraser, glue, scissors, calculator, printer or way to print weekly materials

1. Introduction to logic and math games. Games include mazes, and Pixidoku (picture sudoku)
2. Sudoku and KenKen
3. Futoshiki and Akari
4. Battleship and Binox
5. Logic Grid Puzzles
6. Wiffle Ball day 1
7. Wiffle Ball day 2
8. Wiffle Ball day 3
9. Mix it up!