Plot It!

Strand C: Geometry and Spatial Sense

Benchmark MA.C.3.2.2: The student identifies and plots positive ordered pairs (whole numbers) in a rectangular coordinate system (graph).

Grade Level Expectations: The student:
- knows how to identify, locate, and plot ordered pairs of whole numbers on a graph or on the first quadrant of a coordinate system.

Overview:
A coordinate grid is a way to locate ordered pairs on a plane. An ordered pair is made up of two numbers, for example (2, 3). The first number tells you the horizontal position. The second number tells you the vertical position. A comma must separate the two numbers.

Materials:
- Grid Board – 1 per Student
- 3 Colored Counters per Student
- Large Book or File Folder to Use As a Shield Between Grid Boards
- *Graphing the FCAT* Worksheet

Procedures:
1. Distribute materials and pair the students.
2. Students need to place their file folder standing up to hide their grid boards.
3. Students place counters on grids. Counters should be placed on intersection points, not within a rectangle. Opponents should not see where counters have been placed.
4. Students take turns guessing where counters are as follows:
   a. Player One names an ordered pair.
   b. Player Two answers with hit or miss.
   c. Play continues with each player alternating turns.
5. Goal is to locate all three counters.