**Brevard County Computer Science**

**TIC-TAC-TOURNAMENT**

Who: Any Brevard County High School student.

When: All submissions are due to your Computer Science teacher by Tuesday May 20st, 2014.

The Objective: To write a java program that is designed to play a game of tic-tac-toe.

What You Get: Each participant will receive a starter kit with four files.

File 1: Tournament.java – This is the game runner that operates each game of tic-tac-toe.

File 2: Board.class – This is not to be changed. It is used by Tournament.java to create the board.

File 3: HumanPlayer.class – This is not to be changed. It is used by Tournament.java to allow a player to enter moves manually.

File 4: ComputerPlayer\_name.txt – This text file is the template for the automated tic-tac-toe player that each contestant will create. This file should be changed to include the player’s first name and last initial in the class name and constructor, then saved as a java file with the same name as the class, for example, ComputerPlayerJohnD.java. Complete the makeAMove method with your strategy.

What to Submit: Contestants will only submit ComputerPlayer\_name.java (with your own name).

How to Win: Your Computer Player will compete against selected students’ programs. If a Player wins the match by completing a row, column, or diagonal, that Player is declared the winner. If a Player makes an illegal move, that Player will automatically lose and the other Player will be declared the winner. In the case of a tie, the Player with the quickest processing time will be declared the winner.

Prizes: The overall champion will be awarded a $50 Amazon gift Card, courtesy of the FIT Computer Science department. Other prizes may be available based on the number of participants.