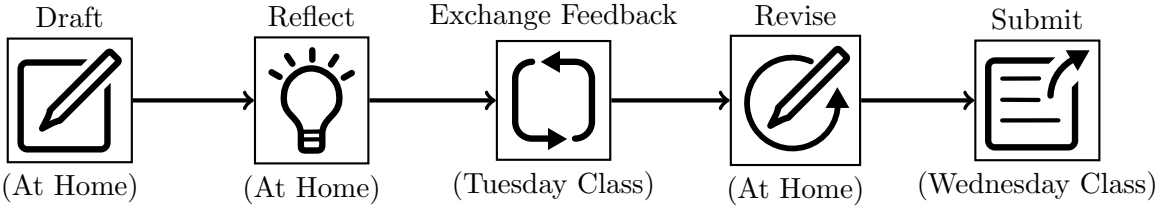
Sample PAR Packet

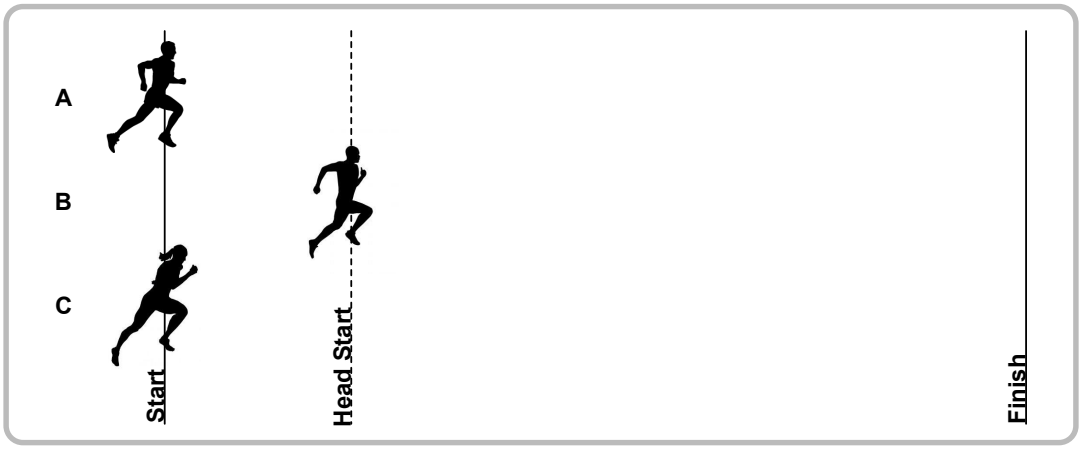
Due Dates: Draft (9/6) - Submission (9/7) Name: _____

The PAR Process



Problem Statement (100m Dash)

Runner A is faster than Runners B and C. Runner B is new to the 100 meter dash, so they get to start ahead at the head start line. In previous races, Runner A reached the finish line in about 10-11 seconds. Runner B, on the other hand, has generally taken 12-13 seconds to run this same distance.



(a) Which runners finish in first, second, and third place? What assumptions are you making?

(b) Based on their previous race times, how fast do you think Runners A and B will run in this race?

(c) What would be a fair head start for Runner B? That is, how far should the head start line be from the start line? Explain your reasoning.

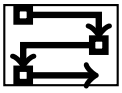
(d) On a single set of axes, plot each runner's position versus time. Make sure your graph is consistent with any assumptions you made previously.

Reflection

Turn the page and check off the icons for things you think you did well; circle the icons for things you would like feedback on.

Feedback Provided By: _____

Suggestions Communication **Strengths**

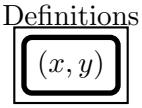


Show All Steps

Explain Why,
Not Just What

Avoid Pronouns

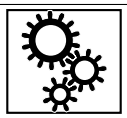
Use Correct
Definitions



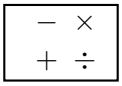
Define Variables,
Units, etc.

Create Diagrams

Suggestions Accuracy **Strengths**



Correct Setup



Accurate Calculations

Solve Multiple Ways

Answer Reasonable

Other
(Write Below)