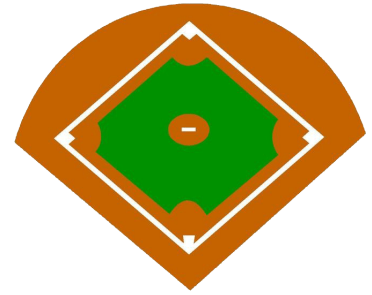




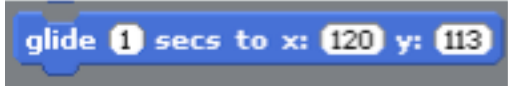


“Base Running”

Learning How To Use 3 Types of Motion in Scratch



The 3 Motion Scripts you used in the “Great Race” had the participants run in a straight line. Now you will have to create a program that will have the participants run around a baseball diamond, forcing them to change direction. Each figure in the race must use the scripts designated for them below. Each script can only be used once.

	<p style="text-align: center;">The Motion Script you will use for Donald Trump.</p> <div style="text-align: center;">  </div>
	<p style="text-align: center;">The Motion Script you will use for Hilary Clinton.</p> <div style="text-align: center;">  </div>
<p style="text-align: center;">YOU</p> <p style="text-align: center;">?</p>	<p style="text-align: center;">The Motion Script you will use for You.</p> <div style="text-align: center;">  </div>

View the “Base Running” model on the class website. You are going to recreate this race exactly as it appears in the model. Your knowledge of X/Y coordinates and angles will be very useful. Please work with a partner – the Driver and Navigator should switch every 4 minutes.

Gradesheet	
1. Three images, Hillary, Trump, yourself and the baseball diamond are visible in the program.	5 pts.
2. When the Green Flag is clicked, Trumps image disappears and then reappears, first on home plate, then on 1 st base, then 2 nd base, 3 rd base, home and then moves off to his original starting point. (Only the Script shown above was used for this Sprite.)	15 pts.
3. Your image proceeds 2 nd moments after Trumps image finishes. Your image glides across the ground from home to first, second, third, home and once again stands off to the side at your original starting point. (Only the Script shown above was used for this Sprite.)	15 pts.
4. Hilary Clinton’s image proceeds 3 rd just moments after your image finishes. She runs around each of the bases and after crossing home, she takes her original position. (Only the Script shown above was used for this Sprite.)	15 pts.
5. Directions are provided to the user stating, 1. The purpose of the game, 2. Mentioning that the Green Flag must begin the game, and 3. The Space Bar must be used to reset the game prior to playing it again.	5 pts.