

“Hanging with Friends” Worksheet

Student Name or ID _____
 Student Name or ID _____

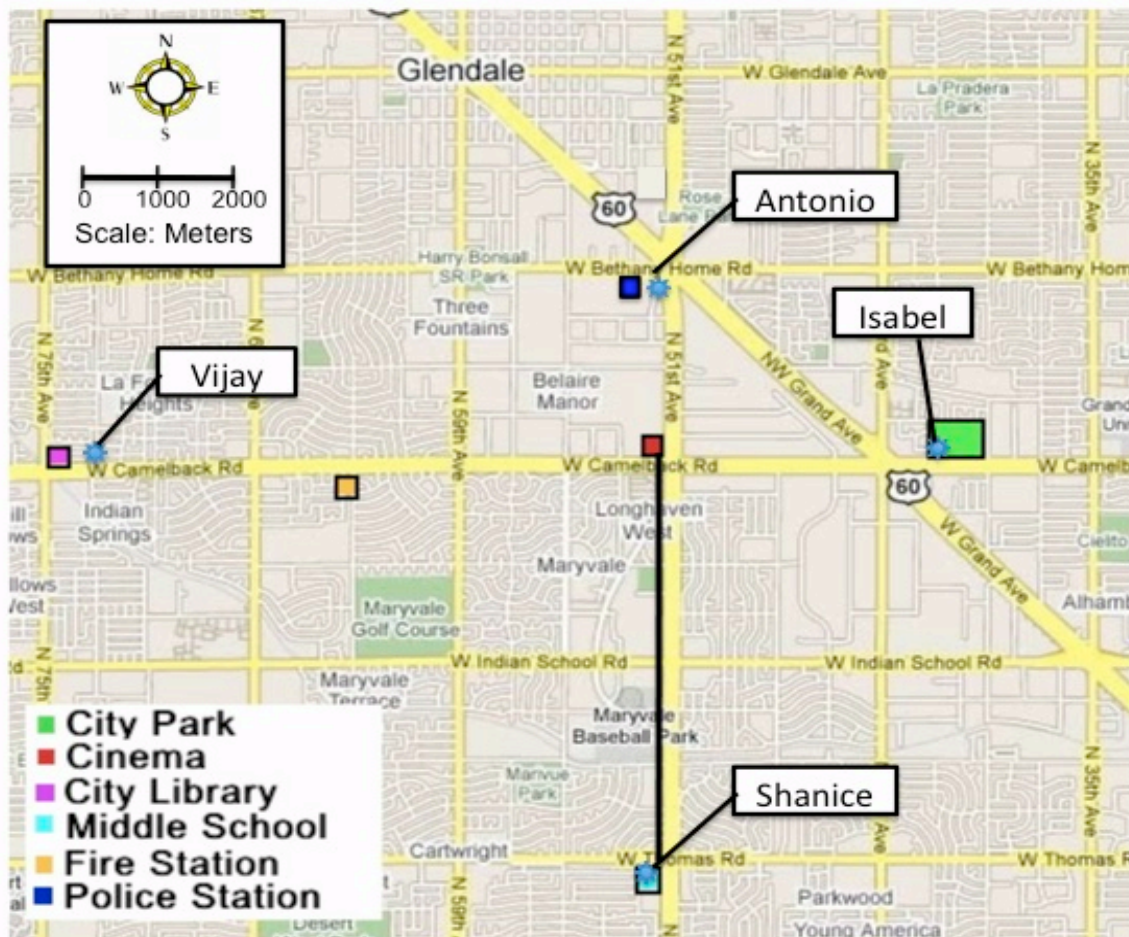
Activity 1: “Hanging with Friends”

Table A: Figure out the distances and direction each friend needs to travel to reach the Movie Theatre. Record the answers in the table below.

Table A:

	A	B	C	D
Friend	Distance to Movie Theatre	Direction to Movie Theatre (N, S, E, W)	Transportation	How fast does the transportation travel?
Shanice				
Vijay				
Antonio				
Isabel				

The space below is to help you figure out exactly what transportation each friend needs to use to arrive at the Movie Theatre in exactly 10 minutes (convert to seconds). Feel free to take notes, make calculations or draw diagrams. Make sure you also answer the Notes in the the WISE project.



“Where Do They Meet?” Worksheet

Student Name or ID _____
 Student Name or ID _____

“Activity 3: Working it Out”

Trial Directions:

- To begin the trial, press the START button. After you press the START button, the friend will begin traveling across the screen.
- To end the trial, press the STOP button. The friend will stop travelling. Try to vary when you press the STOP button.
- Measure and record information in the Table B below
- To begin another trial, press the RESET button.
- To run trials for another friend, press the blue arrow in the bottom right corner.

Table B:

Trials	Initial Position (meters)	Final Position (meters)	Direction	Initial Time (seconds)	Final Time (seconds)	Velocity (m/s)
Isabel						
<i>Trial 1</i>						
<i>Trial 2</i>						
<i>Trial 3</i>						
Shanice						
<i>Trial 1</i>						
<i>Trial 2</i>						
<i>Trial 3</i>						
Vijay						
<i>Trial 1</i>						
<i>Trial 2</i>						
<i>Trial 3</i>						

Hints:

$$\text{Velocity} = \frac{\text{Change in Position (include direction)}}{\text{Change in Time}}$$

Note: If the **Change in Position** is a positive number, than the direction is east. If the **Change in Position** is a negative number, then the direction is west.

“Working it Out” Worksheet

Student Name or ID _____
Student Name or ID _____

Activity 5: “Where do they Meet?”

Working Space: The space below is to help you figure out the position and time Wei-Lynn and Shanice meet. Feel free to take notes, make calculations, setup tables, or draw diagrams. Make sure you also answer the Notes in the WISE Project

