

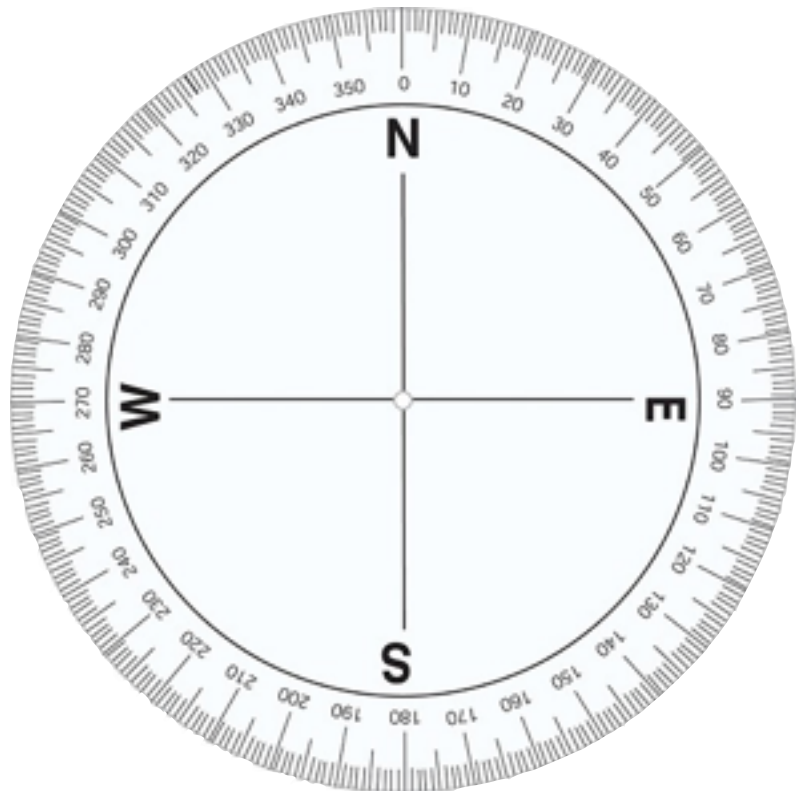
## LAB: ALTITUDE AND AZIMUTH OF THE SUN

### OVERVIEW:

In this lab, we will be exploring how the Sun's position in the sky appears to change over the course of a year as viewed **from NY**.

### INSTRUCTIONS:

Use the "Mr. Sun" app on your iPad to complete the table on the back of this lab sheet. When you are done, use the data to answer the questions below. You may need to use the azimuth compass shown on the right to help you with some of the questions.



### CONCLUSION QUESTIONS

1. According to your graph, what is the highest altitude the sun reaches? What is the date?  
\_\_\_\_\_
2. According to your graph, what is the lowest altitude the sun reaches? What is the date?  
\_\_\_\_\_
3. How much does the altitude change from its highest point to its lowest point? \_\_\_\_\_
4. How much does the altitude change from the start of one season to the next? \_\_\_\_\_
5. What is the Azimuth on the following dates? What direction is that?

Date	Noon Sun Altitude	Sunrise Direction	Sunset Direction
12/21/12			
3/21/12			
6/21/12			
9/21/12			



# The Sun's Apparent Path as Viewed from New York State

