				<b>-</b>	I- :		Man Dania	_	
	o :			opogra	apn	IC I	Map Basics	5	
Earth	Science								Mr. Traeger
Name: Partner <b>c</b> Name:				Period 	:	Date:	:		
Purpos The pur		nis activity	is to be	come acqu	uainte	d wi	th the basic con	cepts of topograp	hic maps.
Materials  ■ Pencil and Vis-à-vis pen				<ul> <li>Pasadena Topographic</li> <li>Metric Ruler</li> <li>Map</li> </ul>			Ruler		
<ul> <li>Key to Topographic Map Symbols in front cover of your textbook</li> </ul>			<ul> <li>Chapter 3 Section 3 in your textbook.</li> <li>Navigation Compass</li> </ul>						
				hic Maps ap to answ	er the	follo	owing.		
<ol> <li>Find your house on the ma approximate latitude and le house?</li> </ol>			ongitude of your				evation of your ho ne closest to your		
	<u>Latitude</u>			<u>Longitude</u>	<u>!</u>				
Degrees	Minutes	Seconds	Degrees	s Minutes	Seco	onds			
	•			•	•				
<ol><li>Find La Cañada High Scho What is the approximate la longitude of the school?</li></ol>						evation of the scho e closest to the sc			
	Latitude			Longitude					
Degrees	Minutes	Seconds	Degrees	Minutes Seconds					
<ol> <li>If Antarctica and all the wo sheets melt, sea level may feet. Will La Cañada be aff why not?</li> </ol>			rise by 1,000 map and wected? Why or the highest		ap and wave hell highest topogra	olane over the ent lo to you. Tell me aphy on the map ( ne into a mountair	the elevation of in feet) so that I		
4.	What is t	ha definiti	on of	What is th	20.00	مام د	on this man?	What is bigger?	The scale on this
4. What is the definition of scale?		What is the scale on th			m una map :	map or the scale classroom globe	e on the e?		
								Scale on Map	Scale on a Globe
								Which one is mather	matically bigger?
E What are all the			If the bre	rown lines are close					
<ol><li>What are all the %quiggly+brown lines on the map called?</li></ol>		If the brown lines are close together, what does this mean?				what does this n	-		

Topographic Map Basics				
Earth Science Mr. Traege				
6. What are the blue lines or circles on the map?	What is the name of the largest blue line on the map?			

7. What is the contour interval for this map?	What does contour interval mean?

Answers for #8 should be in cardinal directions of N, S, E, W, NW, NE, SW, and SE.

Ī	<ol><li>In what direction does</li></ol>	In what direction does the 134	In what direction does the 2
	the 210 freeway run?	freeway run?	freeway run?
Ī			

Answers for #9 should be State, Interstate, US, etc. This tells you who pays to maintain the highway.

9. What *type* of highway is What *type* of highway is the 134? What *type* of highway is the 2? the 210?

10. What does the green shading on the map indicate?

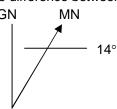
11. What is the length of Foothill Blvd. from the corner of Oak Grove near the High School to the end of the map in La Crescenta? State your answer in miles and kilometers. Show work!

of the map in La Orescenta: State your ans	Wer in times and knometers. Show work:
Work and Answer in Miles	Work and Answer in Kilometers

- 12. Find an area on the map where the terrain is the steepest. Tell me exactly where this place is.
- 13. Find an area on the map where the terrain is not steep. Tell me exactly where this place is.

## Part B: Map and Compass Skills

- 1. What is a compass and how does it work?
- 2. What does this symbol on the map mean? What is the difference between true and magnetic north?



3. How would you use a compass to orient your map to True North? Do it and tell me what place in the room is true north.