

# Location Activity *Teacher's Guide*

**GRADE LEVEL:** 6th – 8<sup>th</sup>

**SUBJECT AREA/COURSE:** Geography/History

**SUNSHINE STATE STANDARDS:**

- The student knows the role of physical and cultural geography in shaping events. (SS.A.4.3.2)
- The student knows the unique geographic and demographic characteristics that define Florida as a region. (SS.A.6.3.2)
- The student understands how Florida has allocated and used resources and the consequences of those economic decisions. (SS.A.6.3.5)

**ACADEMIC OUTCOMES/LESSON OBJECTIVES:**

- Students will locate and record the latitude and longitude of various lakes in Pinellas County.
- Students will locate the lakes on a latitude/longitude grid of Pinellas County.

**BACKGROUND INFORMATION:** When teaching latitude and longitude, students seldom have the opportunity to work with familiar places in their own community. The opportunity to find precise locations beyond degrees is also limited. Instead, students will find and associate an approximate degree of latitude and longitude to a major city on the globe. This provides a necessary foundation to the refinement of this skill by identifying local locations (lakes) in terms of degrees, minutes and seconds in this lesson.

**DURATION:** 1-2 instructional periods.

**MATERIALS NEEDED:** Internet access, handout worksheet (provided).

**SAFETY:** N/A

**VOCABULARY:** latitude, longitude, degree, minute, second

**KEY:**

		<i>Degrees</i>	<i>Minutes</i>	<i>Seconds</i>			<i>Degrees</i>	<i>Minutes</i>	<i>Seconds</i>
<b>Alligator Lake</b>	Latitude	27	58	56	<b>Cliff Stephens Park</b>	Latitude	27	58	24
	Longitude	-82	41	51		Longitude	-82	43	27
<b>Beckett Lake</b>	Latitude	27	59	28	<b>Arbor Lake</b>	Latitude	27	59	48
	Longitude	-82	44	47		Longitude	-82	44	52
<b>Clearview Lake</b>	Latitude	27	59	28	<b>Jerry Lake</b>	Latitude	28	00	33
	Longitude	-82	45	60		Longitude	-82	45	26
<b>Lake Chautauqua</b>	Latitude	28	00	16	<b>Moccasin Lake</b>	Latitude	27	58	36
	Longitude	-82	43	21		Longitude	-82	43	42

Name:

Date:

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Use the following quiz in a Game Show Format, enter it in an online quiz program (ex.- <http://quizstar.4teachers.org/> free for K-12 teachers), or print the quiz out. The answers are with the questions in the parenthesis.

### **ABSOLUTE LOCATION AND RELATIVE LOCATION**

Before beginning this quiz, students will need to complete the activity worksheet using the information on [www.Pinellas.WaterAtlas.org](http://www.Pinellas.WaterAtlas.org).

Use your completed Location Activity to answer the following quiz.

There will be a total of 10 questions to test your understanding of relative location and absolute location using latitude and longitude.

1. Which lake is located at 27 degrees 59 minutes 28 seconds N Latitude?  
Arbor Lake, Beckett Lake, Moccasin Lake (2)
2. Which lake is located farthest north?  
Jerry Lake, Lake Chautauqua, Beckett Lake (1)
3. Which lake is located farthest east?  
Alligator Lake, Cliff Stephens Park Lake, Arbor Lake (1)
4. What is the latitude of Alligator Lake?  
27 degrees, 58 minutes, 24 seconds N  
27 degrees, 58 minutes, 56 seconds N  
28 degrees, 00 minutes, 16 seconds N (2)
5. Which two lakes are closest to each other?  
Clearview Lake and Lake Chautauqua, Alligator Lake and Moccasin Lake, Beckett Lake and Arbor Lake (3)
6. What lake is located 1 minute 37 seconds north of Cliff Stephens Park Lake?  
Jerry Lake, Lake Chautauqua, Alligator Lake (1)
7. Which lake is located 3 minutes east of Arbor Lake?  
Lake Chautauqua, Alligator Lake, Cliff Stephens Park Lake (2)
8. Which lake is located farthest from Alligator Lake?  
Lake Chautauqua, Jerry Lake, Arbor Lake (2)
9. Which lake is located farthest west?  
Clearview Lake, Jerry Lake, Alligator Lake (1)
10. Which lake is located farthest south?  
Cliff Stephens Park Lake, Alligator Lake, Moccasin Lake (1)

Name:

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