

Location Activity Teacher's Guide

GRADE LEVEL: 6th – 8th

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 Hillsborough County.
- Students will locate the lakes on a latitude/longitude grid of Hillsborough 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>
Lake Keystone	28	7	57	Halfmoon Lake	28	5	49
	-82	35	19		-82	32	51
Lake Carlton	28	7	58	Platt Lake	28	5	41
	-82	32	26		-82	28	41
Lake Magdalene	28	4	48	Buck Lake	28	6	32
	82	28	56		-82	37	5
Calm Lake	28	8	35	Rock Lake	28	6	48
	-82	34	53		-82	33	23
Hobbs Lake	28	9	33	Church	28	6	12
	-82	28	2		-82	35	57

Name:

Date:

Location Activity *Teacher's Guide*

Use the following quiz in a Game Show Format, enter it in an online quiz program, or print it 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.Hillsborough.WaterAtlas.org.

Use your completed Location Activity to answer the 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 28 degrees 9 minutes 35 seconds N Latitude?

Halfmoon Lake, Hobbs Lake, Calm Lake (2)

2. Which lake is located farthest north?

Hobbs Lake, Lake Magdalene, Calm Lake (1)

3. Which lake is located farthest east?

Hobbs Lake, Platt Lake, Lake Magdalene (1)

4. What is the latitude of Buck Lake?

28 degrees, 5 minutes, 41 seconds N

28 degrees, 6 minutes, 32 seconds N

28 degrees, 32 minutes, 6 seconds N (2)

5. Which two lakes are closest to each other?

Rock Lake and Halfmoon Lake, Buck Lake and Church Lake, Lake Keystone and Calm Lake (3)

6. What lake is located 4 minutes north of Lake Magdalene?

Calm Lake, Hobbs Lake, Platt Lake (1)

7. Which lake is located 3 minutes east of Lake Keystone?

Lake Calm, Lake Carlton, Hobbs Lake (2)

8. Which lake is located farthest from Buck Lake?

Church Lake, Calm Lake, Lake Keystone, (2)

9. Which lake is located farthest west?

Buck Lake, Lake Keystone, Hobbs Lake (1)

10. Which lake is located farthest south?

Lake Magdalene, Hobbs Lake, Halfmoon Lake (1)

Name:

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