Curriculum Materials

The Collection Connection Worksheet

Database Activity

1. What are the three missions of the Natural History Museum of the Smithsonian Institution? (Please write complete sentences)
   
   A. 
   B. 
   C. 

2. Which natural history museum did you visit? (Please write complete sentences)

Name four collections you found:

   A. 
   B. 
   C. 
   D. 

***GO BACK TO THE COMPUTER SCREEN AND KEEP READING ABOUT COLLECTIONS***
3. This is a fish record from the Florida Museum of Natural History. Use it to answer the questions below.

A. What is the scientific name (genus species) of this fish? ________________ (The common name for this fish is Alligator Gar)
B. When was it collected? __________________________
C. Who collected it? _____________________________________
D. In what river (drainage) was it caught? _____________________________
E. In what county of Florida was it caught? ____________________
F. Was the river salty? (Saltiness is called salinity. Your choices are F=Freshwater, B=Brackish, M=Marine) Yes___ No___

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4. Here are the directions to discover the amphibians and reptiles that have been collected in your school's county:

A. In what county is your school located? ________________ We are going to use the county name and look for amphibians and reptiles that have been collected there.
B. Go to the Herpetology database from the Florida Museum of Natural History [http://www.fnmnh.ufl.edu/scripts/dbs/herps_pub.asp] and type your county name in the appropriate box and then click on "Query Database." If you look at the top of the results screen it will tell you how many rows, or individual specimens were found. How many were there?
C. Read through the results and write down the first three scientific names you find. What are the common names for those species? [Hint: Use the common name to scientific name matrix at to find out the common names.]
5. Using the Florida Environment's Online Database search for literature on one of the species you found in #4 above.

A. What species did you use? ______________________________
B. Did you find any citations to literature? __________________
   (If you don't find any, try the other species you wrote down until you find one that matches the species from above)
C. Copy the first citation:
   Author: _____________________________________________
   Title: _______________________________________________
   Journal Title: _________________________________________
   Year: _______ Vol.: _______ Issue: _______ Pages: _______

6. Have fish specimens been collected from your county? Has someone written about them? Let’s find out.

A. From the specimen databases chose the Ichthyology database from the Florida Museum of Natural History
   [http://www.flnmh.ufl.edu/fish/Collection/collectdata.htm]. Do a keyword search on your county. (If there are no records in your county try other counties until you find one with records.) How many records did you find? _______
B. Write down the scientific names of at least three species you found. (If you found that many.) Again, use the Name Matrix to find the common name of the scientific names you found.

<table>
<thead>
<tr>
<th>Scientific Name</th>
<th>Common Name</th>
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C. Now go to the Florida Environments Online database that searches many different literature databases. It contains references to articles, books, and web sites about Florida species and habitats. The databases it searches include:

Six contain references to written articles, books, and web sites about species and habitats:

- Everglades Online
- FORMIS Ant Bibliography
- Florida Environments Online
- LFNH Core Collection
- SUS Library Catalogs
- Sea Turtle Resources

What species did you search? _________________________________ How many records did you find? _________________________________