

# Sculpting South Carolina

South Carolina Aquarium Curriculum  
by Tammy Cannada, ELP

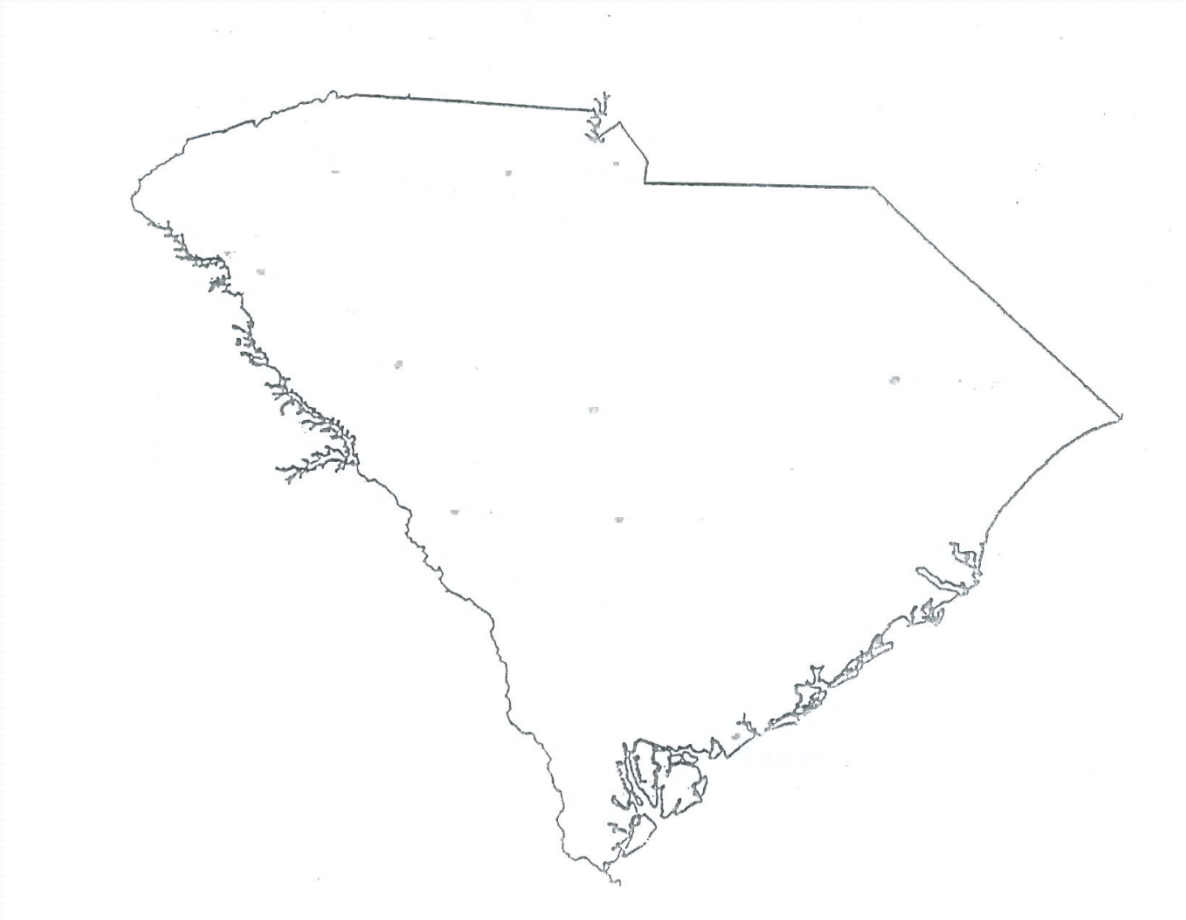
## Research

Have students read over the first page of the Region Research to discover information on the physical characteristics (elevation, soil types, geologic history, average annual precipitation, average annual temperature) of the five geographic regions of the state (Mountains, Piedmont, Sandhills, Coastal Plain, Coast). As they find the information, they should fill in the research worksheet (All except last column. They'll do that one later). Could also have the research online to find answers.



Students can work in groups to collect the data.

Have students to draw lines to separate the regions on a blank map. Students may refer to a regions map as a reference, but don't allow them to trace.



# Topographic Map

Let them know that they are going to use different materials to make a topographic map showing the different elevations of the land throughout South Carolina. Show them a topographic map if you have one and explain how to read the map.





## Sorting by Grain Size

Show the students the materials they have to make their map. See if they can put the materials in order of largest to smallest.



## 3-D Map

Now, have each student make a 3-D topographic map that will represent some of the characteristics they have learned about each region, such as elevation and soil types. For example, large rocks are glued in the Mountain region and cornstarch/salt is glued in the Coast region to show that the Mountains have the highest elevation and the Coast has the lowest elevation. The students' maps should visibly show through the materials they select for each region that elevation decreases across the state as you travel from the mountains to the sea.





# Pizza Boxes for Work Area and Storage



# The Blue Ridge Region

Stack and glue the rocks. (I recommend letting the glue dry overnight. Complete the other regions the next day.)





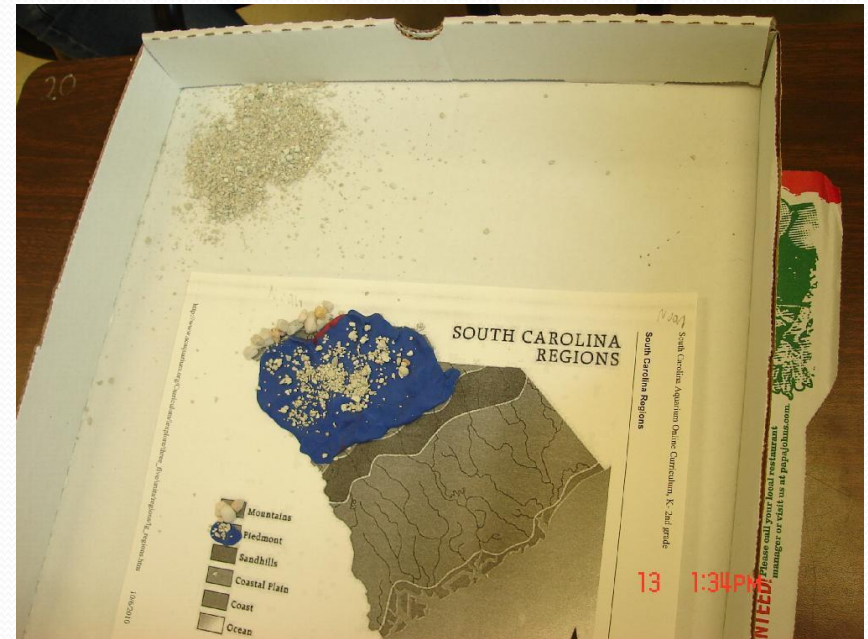
# Piedmont Region

NO glue needed for the clay. Then press in the kitty litter.



# Only a Pinch with 2 Fingers

Do NOT turn cups and pour out materials. Pinch small amounts using only 2 fingers. Use only what is needed.





# Sandhills

Make sure to cover the Sandhills evenly with glue. You can NOT go back and fill holes after you sprinkle the sand.





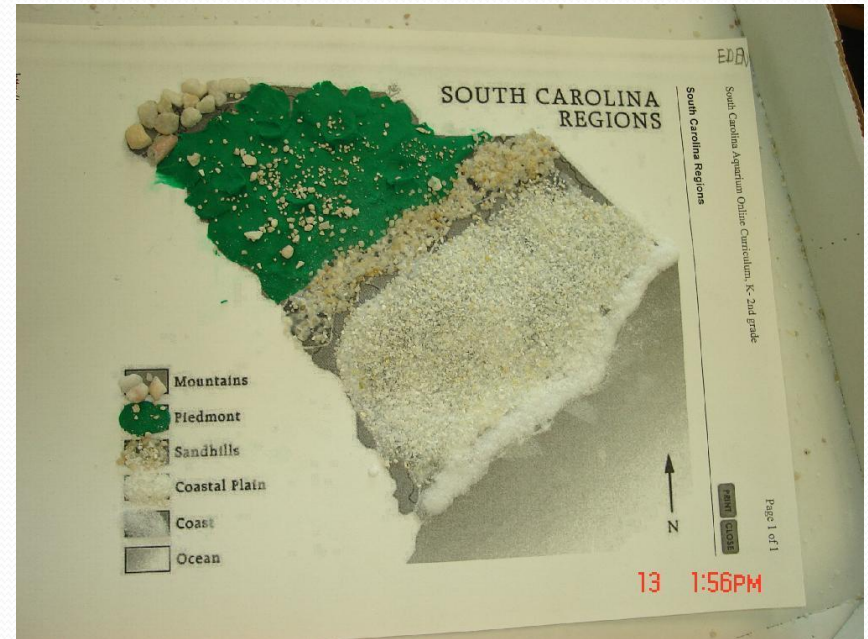
# Coastal Plain

Again, cover the complete area evenly before putting materials.



# Coastal Zone

Be careful. Do NOT put the materials in the Atlantic Ocean.





# South Carolina Regions

Using the 3-D models of the state, encourage students to compare the regions based on the attributes (elevation, temperature and precipitation) that make each region unique. Discuss.

Have the students make observation of their maps while researching each regions wildlife communities. Add the wildlife information into the last column on the research data sheet.

