Introduction

Any feature of Earth's surface having a distinct shape and origin. Landforms include major features (such as continents, ocean basins, plains, plateaus, and mountain ranges) and minor features such as hills, valleys, slopes, drumlins, and dunes). Collectively, the landforms of Earth constitute the entire surface configuration of the planet.
Some Georgia landforms include:

Stone Mountain
Emerson Fault
Tallulah Falls
Providence Canyon
Appalachian Mountains
Soapstone Ridge
Fall Line
Sand Mountain
Lime Sinks
Okefenokee Swamp
Pine Mountain
Altmaha River system Barrier islands
Amicalola Falls
Cohutta Mountains
Beaches
Brasstown Bald
Brevard fault zone
Cumberland Plateau
Lookout Mountain
Trail Ridge
Blue Ridge Mountains
Chattahoochee River

Landforms are created by a variety of processes that change the surface of the Earth:

- Constructive Processes build up (or create) landforms on the Earth's surface.
  - Examples: Deposition, Faults, Earthquakes, Volcanoes, Magma Upwelling, and more.

- Destructive Processes break down landforms on the Earth's surface.
  - Examples: Weathering, Erosion, Earthquakes, Volcanoes, Faults, and more.
The Task

You will create a tourist brochure containing at least 6 Georgia Landforms. The brochure should be made from a sheet of paper turned to the landscape position and folded into three equal parts. The brochure should contain a picture and name of the Georgia landform, a brief history of the landform, and a description of the constructive or destructive forces that created the landform.

Don't be surprised if you have to use your powers of logical deduction and inference to figure out what Earth processes created the landform. You may want to review a few of the processes before you get started with your research.

The Process

(A step-by-step process to help you succeed!)

*Read through all steps carefully before starting any of the task!*

**STEP 1:**
Review Constructive and Destructive Earth Processes. Think carefully about what you read and see. Later, you may have to infer which of the processes created a Georgia Landform.

- Turn a sheet of notebook paper to the landscape position (3 holes on top).
- Draw a line down the middle of the page.
- Label the left column "Constructive Earth Processes".
• Label the right column "Destructive Earth Processes".

• Write a description of Constructive and Destructive Processes under the appropriate label.

• List the different types of constructive processes with a definition that explains how each is constructive in the appropriate column.

• List the different types of destructive processes with a definition that explains how each is destructive in the appropriate column.

• Save this sheet and give it to your science teacher with the finished brochure.

Click on the links for places to find information:

• **Constructive Processes** build up (or create) landforms on the Earth's surface.
  
  o Examples: Deposition, Faults, Earthquakes, Volcanoes, Magma Upwelling, and more.

• **Destructive Processes** break down landforms on the Earth's surface.
  
  o Examples: Weathering, Erosion, Earthquakes, Volcanoes, Faults, and more.

**STEP 2:**
Create a **4-column chart** on one or more sheets of notebook paper. You will want to turn the notebook paper to the landscape position (3 holes on top) before drawing the chart. You will use this to collect the information you find about landforms. Keep the 4-column chart and give it to your science teacher with the finished brochure.

• First Column heading: "Name of Landform"

• Second Column heading: "Brief History of Landform"
STEP 3:
Using a kid-safe search engine, research the desired information on Georgia Landforms. Below is a list of interesting landforms in Georgia for you to consider. Remember you only need 6 of them for your brochure.

Some Georgia landforms include:

- Stone Mountain
- Emerson Fault
- Tallulah Falls
- Providence Canyon
- Appalachian Mountains
- Soapstone Ridge
- Fall Line
- Sand Mountain
- Lime Sinks
- Okefenokee Swamp
- Pine Mountain
- Barrier islands
- Amicalola Falls
- Cohutta Mountains
- Beaches
- Brasstown Bald
- Brevard fault zone
- Cumberland Plateau
- Lookout Mountain
- Trail Ridge
- Blue Ridge Mountains
Altmaha River system    Chattahoochee River

NOTE: You may want to type the word Georgia in your search for each landform so that your search is limited to our state. You can also type in a question like "How was Stone Mountain Georgia Formed?" or "What is the history of Okefenokee Swamp?"

Places to Search for Information:
(Make sure the Strict Safe Search is turned on!)
Wikipedia.com
Yahoo Kids
MSN Encarta
Ask for Kids
Google - Make sure you have set this one to Strict Safe Search first!
http://www.wacona.com/promote/galandforms/index.htm
NEW GEORGIA ENCYCLOPEDIA - Click on the "Science & Medicine" link, second click on the "Earth Science" link, third click on the "Geology" link, and then click on some of the links that appear under "Geology". (Sounds complicated doesn't it.)

STEP 4:
Don't let your brain be LAZY. You will have to carefully scan and read a lot to find the information you want.

As you visit the web sites, fill in the four column chart you made with the appropriate information. **BE SURE TO SAVE SMALL PICTURES ON THE COMPUTER OR PRINT SMALL PICTURES THAT WILL FIT INTO YOUR BROCHURE. EACH PICTURE SHOULD FIT ON THE INSIDE OF ONE OF THE THIRDS OF YOUR BROCHURE.**

STEP 5:
After you have collected the information and pictures on 6 different Georgia Landforms, plan your brochure on a scrap sheet of paper. You will want to turn your paper to a landscape position and fold the brochure into equal thirds. Use your 4-column chart to help with your planning.

STEP 6:
Create a neatly written and colorful brochure that would encourage a person touring Georgia to visit the landforms. If you have saved your photos on the computer, you may wish to use the following site to create the brochure:
READ-WRITE-THINK Printing Press

STEP 7:
Give the **brochure**, the **4-column chart**, and the **Constructive & Destructive Processes sheet** to your Science Teacher for assessment!

## Evaluation

### Evaluation Rubric

<table>
<thead>
<tr>
<th>Evaluation</th>
<th>11</th>
<th>9</th>
<th>8</th>
<th>7</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brochure contains 6 landforms</td>
<td>all 6</td>
<td>only 5</td>
<td>only 4</td>
<td>only 2 or 3</td>
<td>only 1</td>
</tr>
<tr>
<td>Name and Location of each landform presented</td>
<td>all 6</td>
<td>only 5</td>
<td>only 4</td>
<td>only 2 or 3</td>
<td>only 1</td>
</tr>
<tr>
<td>Photo of each landform included</td>
<td>all 6</td>
<td>only 5</td>
<td>only 4</td>
<td>only 2 or 3</td>
<td>only 1</td>
</tr>
<tr>
<td>History of each landform included</td>
<td>all 6 were well summarized</td>
<td>only 5 were well summarized</td>
<td>only 4 were well summarized</td>
<td>only 2 or 3 well summarized</td>
<td>only 1 well summarized</td>
</tr>
<tr>
<td>Formation of each landform explained correctly</td>
<td>all 6 were well explained</td>
<td>only 5 were well explained</td>
<td>only 4 were well explained</td>
<td>only 2 or 3 were well explained</td>
<td>only 1 was well explained</td>
</tr>
<tr>
<td>Conventions Correct</td>
<td>No errors distract from message of brochure</td>
<td>Minimal errors present in brochure</td>
<td>Some errors present in brochure</td>
<td>Several errors present in brochure</td>
<td>Many errors distract from message of brochure</td>
</tr>
<tr>
<td>4-column sheets completed with URL listed.</td>
<td>Excellent notes.</td>
<td>Well prepared notes.</td>
<td>Average prepared notes.</td>
<td>Poorly prepared notes.</td>
<td>Few notes written.</td>
</tr>
</tbody>
</table>
Conclusion

You should now have a great idea of how some of Earth's processes created some of the landforms in Georgia. If you would like to read more, here are a few great places to look:

- Geology for Kids
- Earthquakes for Kids
- Weathering Animations
- Exploring Earth Visualizations