

Name _____

Date _____

Astor Collegiate Academy Green Monster

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Aim: Learn to capture what is on the computer screen, edit it in paint, and insert it into a document.

Do Now: Obtain a computer, start Google Earth, and SEARCH for the following point:

22°54'57.60"S, 43°16'24.91"W

Recalling from the CNN article about Rio De Janeiro: "Cement-block walls are being built around the shantytowns of Rio de Janeiro. Authorities say it's to save rainforests. The city's poorest residents say it's an attempt to shut them out."

What is at the point you searched for?

Pan around and look at what you think you see in the air photo.

Consider how far you have to pan to find examples of wealth, poverty, and ecology.

Since we want to capture that image and use it in our research projects for an easy way to an A grade, and the method we tried last week didn't work for every body, we will learn a fail-safe way to do it.

Press the "SHIFT" key and, at the same time, the "PrtSc" key on the upper part of the key board.

You just saved a copy of whatever is on your screen at the moment to your computer's memory.

Now open the PAINT program (usually under All Programs -- Accessories).

Press the "CTRL" key, and at the same time, the letter "V" to paste the image to the Paint program.

Since you may have captured more than you want, use the selection tools as

a "cookie-cutter" to outline just what you want, then

press the "CTRL" key, and at the same time, the "C" key to copy this new image into the memory of the computer.

Choose FILE > NEW (without saving anything) and then press "CTRL-V" to paste the new image into Paint, and then

choose FILE > SaveAs and name it something useful to you in a computer location where you can find it again later.

Next start Microsoft Word,

hit the ENTER key ten times,

then the arrow key up five times,

then CTRL-V the image into your document.

write your observations about what you see in the air photo image and

explain its impact by using what we discussed about the issue.

Gersmehl proposed 12 ways of discussing geography:

Gersmehl's Principles of Spatial Thinking

The Two Blades of the Scissors: Topic and Region

Location - Where is this place? The concept of location has two facets:

- a. **Conditions (Site)** - What is at this place?
- b. **Connections (Situation)** - How is this place linked to other places?

Aspects of Spatial Thinking

1. **Comparison** - How are places similar or different? How can we compare them fairly?
2. **Aura (Influence)** - What effect(s) does a feature have on nearby areas?
3. **Region** - What nearby places are similar to each other and can be grouped together?
4. **Hierarchy** - Where does this place fit in a hierarchy of nested areas?
5. **Transition** - Is the change between places abrupt, gradual, or irregular?
6. **Analog** - What distant places have similar situations and therefore may have similar conditions?
7. **Pattern** - Are there clusters, strings, rings, waves, or other non-random arrangements of features?
8. **Association (Correlation)** - Do features tend to occur together (have similar spatial patterns)?

Spatio-Temporal Thinking - How do features change through time?

9. **Change** in conditions (e.g. climate, military control, land use, etc) at a place over time
10. **Movement** of something (e.g. train, hurricane, political border, ec.) over time.
11. **Expansion** or **Contraction** of something (e.g., disease, urban area, rumor, etc.) over time
12. **Exceptions** - Where are places that do not seem to follow an observed "rule"?

Specific questions you may want **(HAVE TO)** to answer are:

How big are the areas that look like forest? When I zoom out, there is a lot of forest.

How big are the shantytowns? They are small compared to the forest, but they look different. They have an ugly color.

What are obvious signs of wealth? How far away are they? Cars, boats and villas are signs of wealth. They are not too far away. They seem to have a pattern. They seem to be near the water.

Consider using Gersmehl's Principles to explain your ideas.

For homework, do the same process for the

Favela Santa Marta (Shantytown):

22°56'51.08"S, 43°11'38.74"W

Extra Credit: Add a Thumbtack Point!