

Google Earth 5.0

<http://earth.google.com>

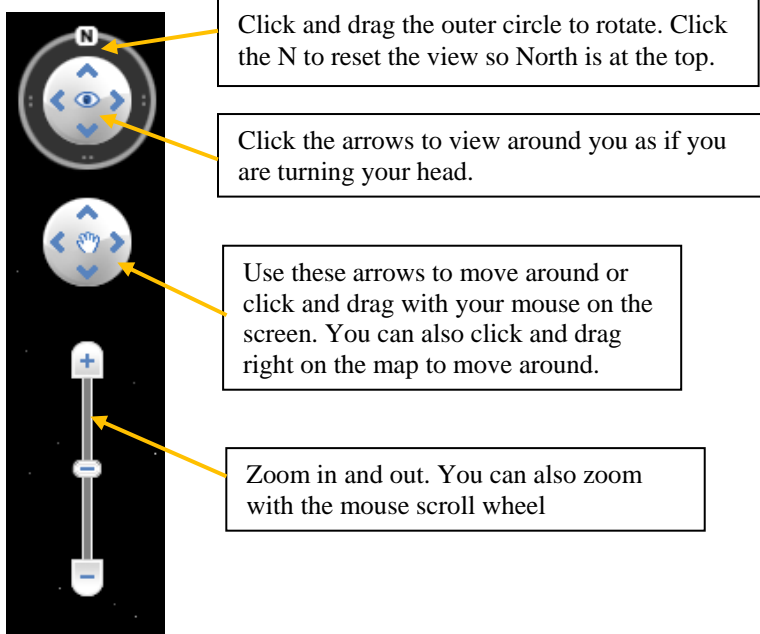
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Navigation Controls

This appears in the upper right hand corner.



Tilting














When you zoom in close to the earth, the viewing angle will tilt as you approach the ground.

You can also tilt the view by

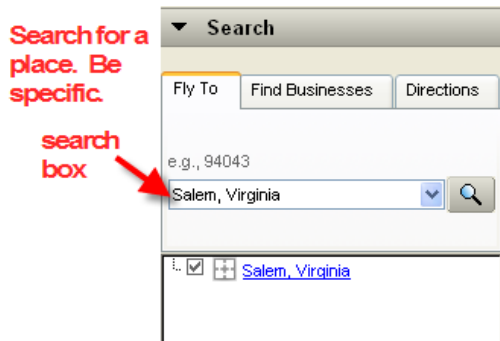
- holding down the Shift key and scrolling.
- holding down the Shift key, the left mouse button, and dragging.

Toolbar Buttons



-  show or hide the sidebar
-  add a placemark
-  add a polygon
-  add a line
-  add an image
-  record a tour
-  display historical imagery
-  display sunlight
-  switch between earth, sky, and Mars
-  measurement tool
-  email
-  print
-  switch to Google Maps

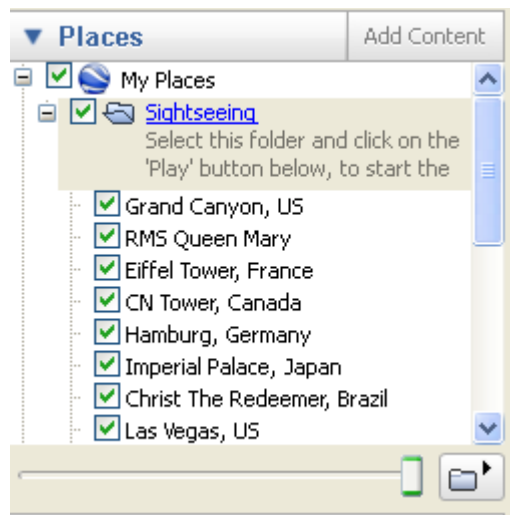
Search



Be as specific as possible. Type in a street address, city, and state to find a particular place. Be sure to double check spelling.

Click on the X to delete a place name from the search menu.

Places

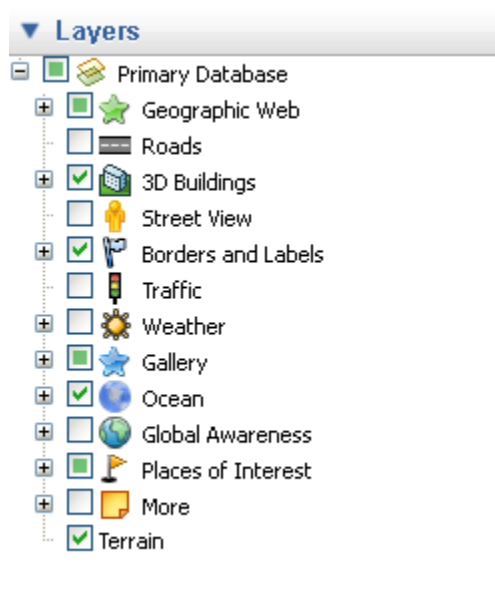


These are the places that you have set up to visit in the file you have open. Most of the time, you will see the default Sightseeing folder. However, if you open a previously saved file, you may see other folders in the Temporary Places folder.

The Add Content button will open up the Google Earth Gallery. Double click to view any of the files there that are of interest to you.

Open and Close the folders by using the + and - signs.

Layers



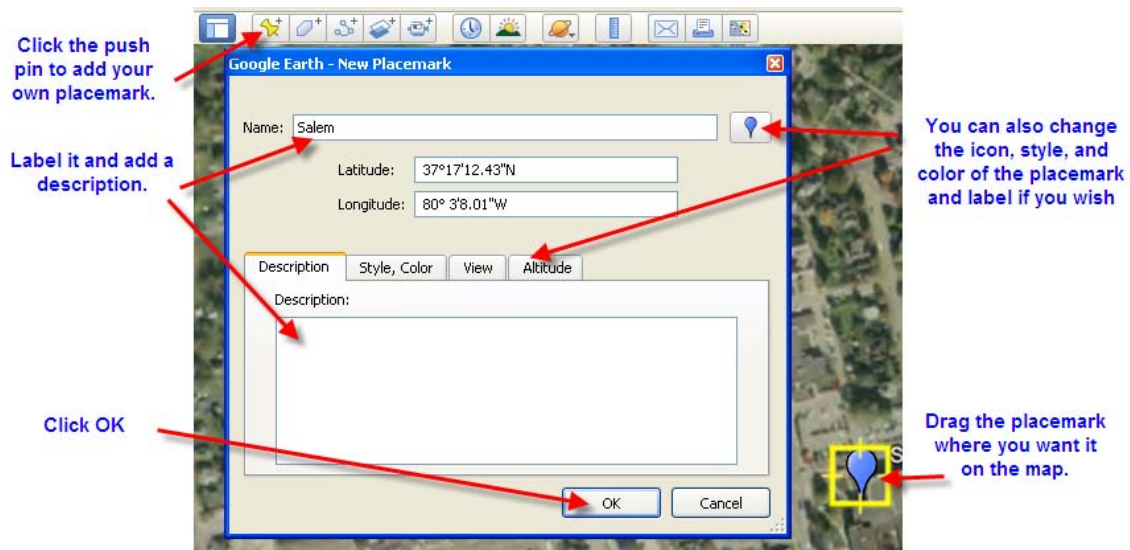
There's so much additional content "hidden" in these layers. You can choose to show roads, borders, terrain, etc. You can also bring up links to related websites.

Click in the checkbox to show the contents of each layer on the earth or sky. Click the + to see all of the layers in each categories.

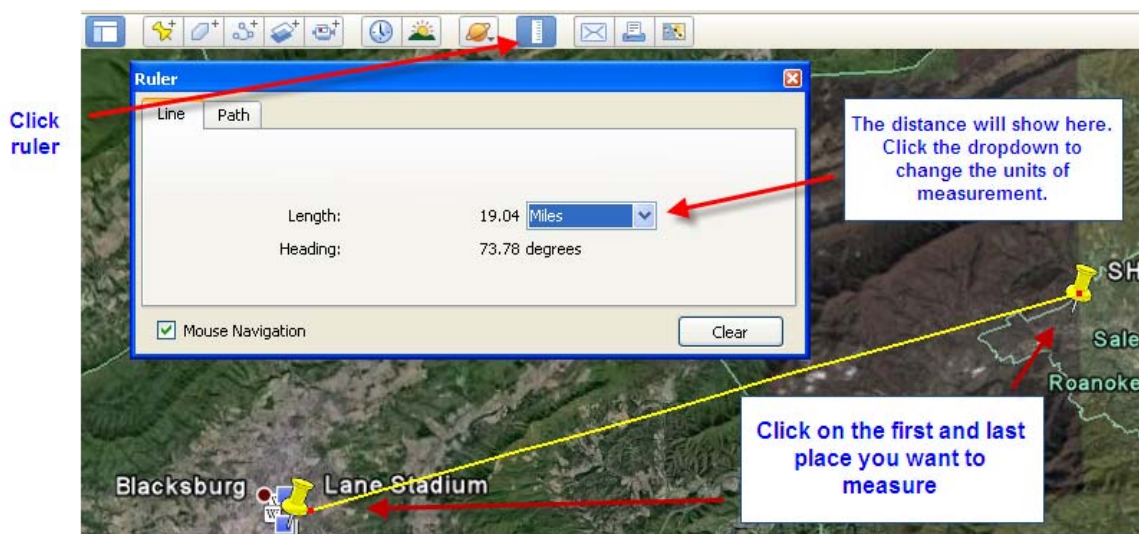
In some layers, you can double click to go to a particular location.

Note that the Sky and Mars views have different layers than the Earth view.

Add Your Own Placemark



Measure



Go to View > Scale Legend. You will see the scale in the lower left side, and the total viewing distance in the lower right side. You will see these changes as you zoom in and out. Change to miles by going to Tools > Options.

Grids

Click on View > Grid



You will see the Prime Meridian, Equator, and Tropics of Cancer and Capricorn as well as longitude and latitude lines.

Overview Map

Click View > Overview Map



The red rectangle indicates the portion of the entire world map that is presently showing in the Google Earth screen.

Copy and Paste a Google Earth Picture

You can copy and paste a picture from Google Earth into another document

1. Line the view up just like you want it.
2. Go to Edit > Copy Image
3. Minimize Google Earth
4. Open up the document you want to save it in (Word, PowerPoint, etc)
5. Go to Edit > Paste (or right click and choose paste)

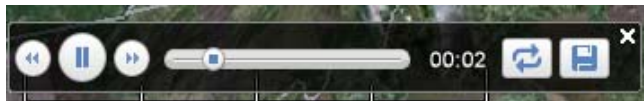
Recording a Tour

Click on the Tour icon in the toolbar 



The recording controls will appear in the lower left corner of the window.

Click on the red record/stop button and begin navigating as desired. When you are finished, click the record/stop button again.



When you click stop, the player will reappear and your tour will automatically play.

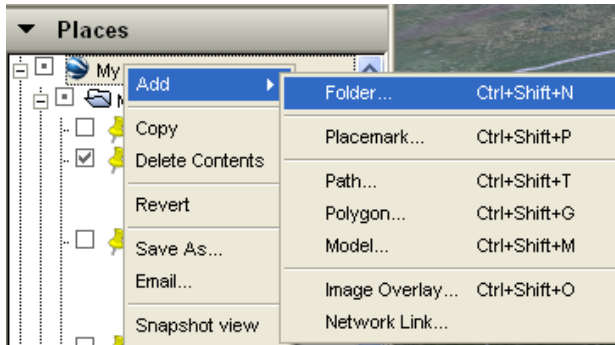
If you want to save it, click the save button and give your tour a name.

It will show up in your Places panel.

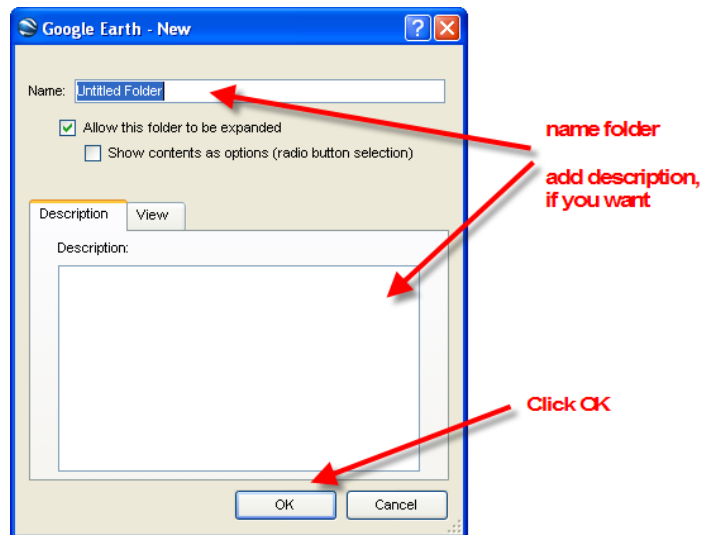
To share your tour with others, right click on it and select *Save Place As*.

Save a List of Places to Visit Again

1. Create a folder under "My Places."
 - Right click on my places.
 - Choose Add > Folder.

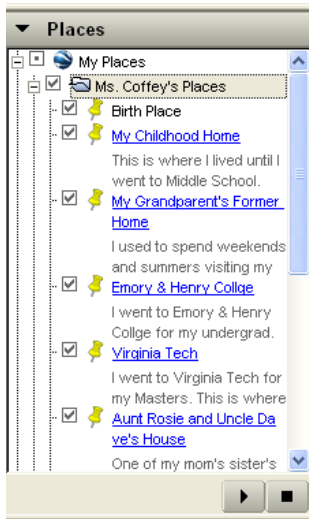


2. Name the folder.



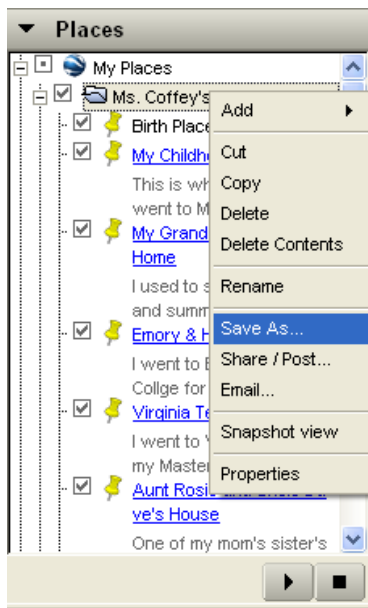
3. Visit each place you want to add to the list and mark it with a placemark.

The list of places you visit and mark should appear within the folder you made.



4. Save the Folder.

- Right click on the folder.
- Choose save as. (It will save as a KMZ file)



5. Choose a location to save the file. (For kids, save it to our K drive.)

Ocean

You can actually dive under the surface of the ocean and explore the sea floor and underwater mountains.

Hide or display the surface of the ocean by going to **View > Water Surface**.

Click on the *Ocean* layer in the Layers Panel to see related information, images, and videos.

Try holding down the zoom button as you dive. Eventually, the view will tilt. You'll be able to see the water surface as well as the ocean floor.

Sky



Click on the Earth/Sky/Mars button in the toolbar.

Check out the *Welcome to Sky* layer for introductory information.

Most of the other layers have an introductory section as well. Check those out for more information about using *Google Sky*.

There is a layer for the moon under *Our Solar System* that shows the current moon phase.

More about Earth Layers

Many of these features have their own icons. Look for the icons in the Layers features, and then click on the icons on the map itself.

If you are interested in one particular layer, you might want to turn off the other layers so you can find the icon you're looking for more easily.

Geographic Web

Panoramio

Links to related pictures

Wikipedia

Links to related articles in Wikipedia

Places

Open Preview under Places - lots to explore here
Earthquakes, Volcanoes, NASA, and more

Open Global Awareness

Jane Goodall's Chimpanzee Blog

Appalachian Mountaintop Removal

Roads

Shows roads with street names and numbers

3D Buildings

This works best zoomed in close in large cities

Try tilting while viewing the 3D buildings!

Street View

Click on the camera icons that appear and you will be taken inside of a photograph showing the street you're on if photos are available.

Borders and Labels

Here you can choose how you want your maps to be labeled.

Borders

- International Borders

- Country Names

- Islands

- Coastlines

- 1st Level Admin Borders

 - States/Provinces Borders

- 1st Level Admin Names

 - State/Provinces Names

- 2nd Level Admin Regions

 - County Borders

Traffic

Real time traffic information for large cities

Weather

Real time weather information

Gallery

Be sure to check the Ancient Rome layer if you teach 3rd!

Rumsey Historical Maps

A wide variety of historical maps which overlay the current map can be found here. Click the top radio button to turn all maps off. Click the bottom radio button to find maps on the globe.

Tiny maps appear that you can then zoom in on.

Ocean

Make sure this is checked if you are doing any ocean studies

Places of Interest

Schools, Restaurants, Tourist Spots, and More

More

- U. S. Government
 - Postal Code Boundaries
 - School Districts

Terrain

Checking this varies with the resolution of the image. Most of the time, you'll want to keep this checked.

Other Resources

<http://salem.k12.va.us/itrt/support/googleearth.htm>

Additional kmz files can be found on the school server here:
K drive > Common > Google Earth