The Power of Paint

Note: These directions are for Paint on WindowsXp and Vista. At the end of this tutorial are features of Paint for Windows 7.
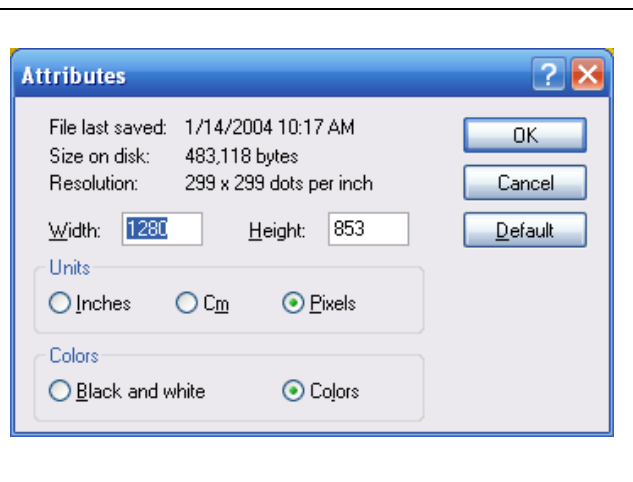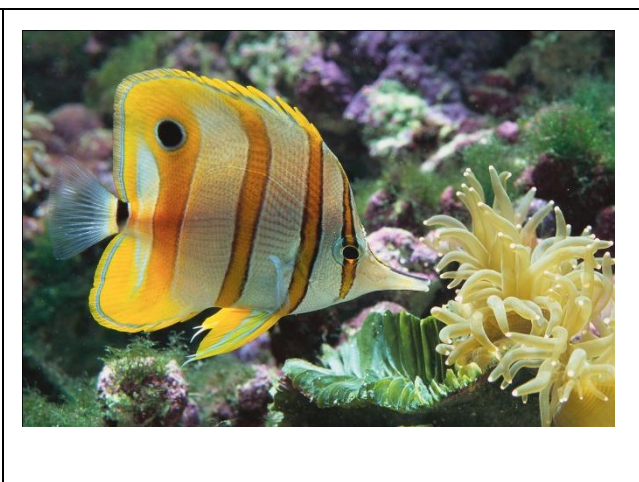
Your Assignment

Using Paint

1. Resize an image
2. Crop an image
3. Save an image in a different format
4. Rotate an image
5. Add two types of text to an image (transparent and opaque)
6. Edit an image to remove unwanted features
7. Add lines to an image to make a labeled drawing
8. Draw a portrait of yourself doing something you enjoy doing
9. Create a Word document in which tell us about yourself
10. After your biography, insert your projects (1 through 8 above)

Reducing Image Size

Of course large images have better quality, but the downside is they take more memory and time to upload or download.
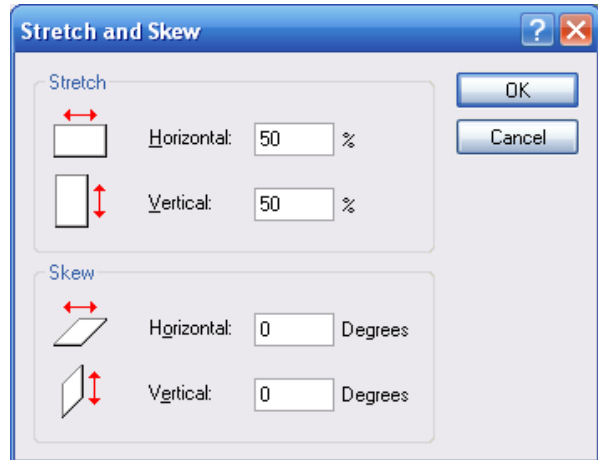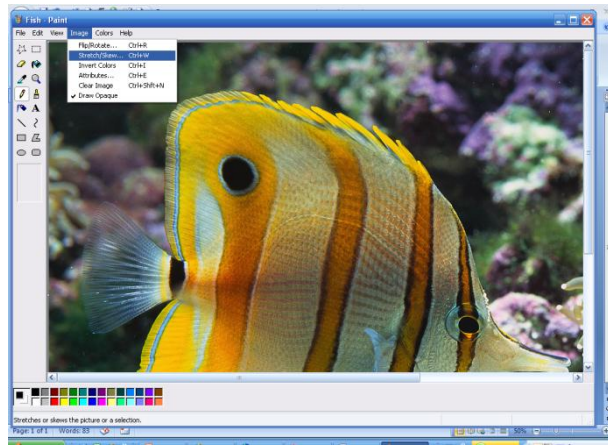
Look at the image of the fish. If we open the image in Paint and click on Image Menu then Attributes, we see the image is 1280 by 853 pixels.

Using Paint, you can easily reduce the size of the image without reducing the quality.

Open an image in Paint. Click on the Image Menu then Stretch/Skew. To keep the images aspect ratio, you need to enter the same percentage for both horitontal and vertical.

      50% by 50% reduces the image by 50%
      25% by 25% reduces the iamge by 75%
      75% by 75% reduces the image by 25%

Now the image is half the size. Nothing about the picture changed, it shows the same fish and background. It is only a smaller size.
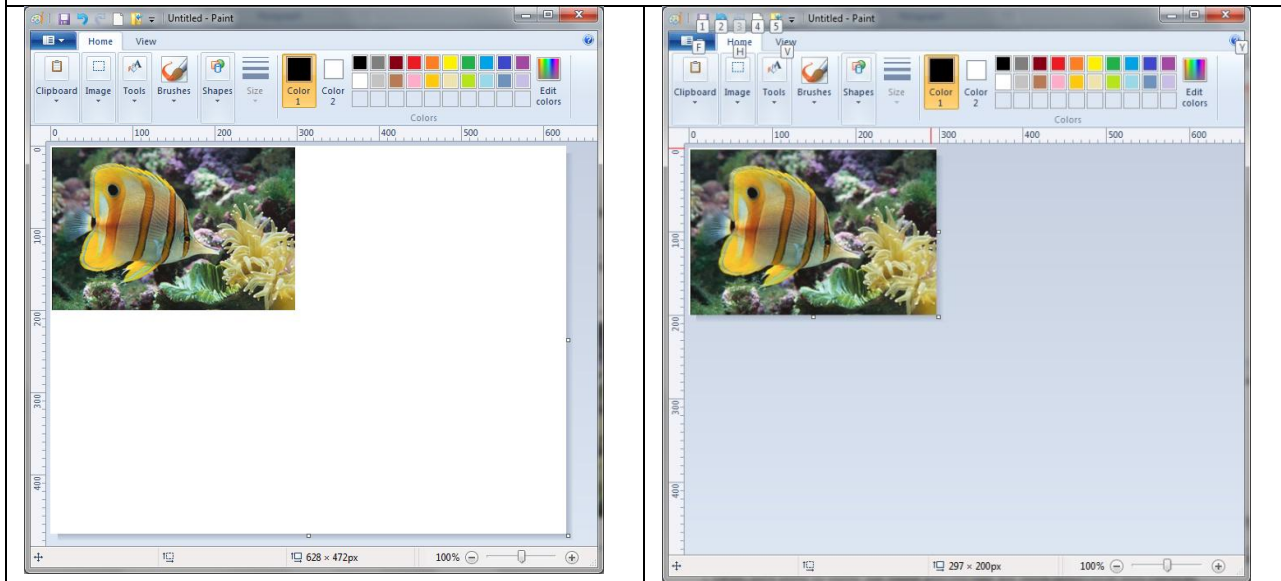

Save the image.

Caution: Save the image with a different name to keep your original image from being lost.

Caution:

The image on the left below has been resized but the canvas, the white area, has not. If you were to save this image, it would save the image and canvas. The canvas needs to be rezsized. If you were to put this image in a document, you'd also get the white area – not good!

In the lower-right corner of the canvas, is a small dot.

Move the mouse over the dot until you get a double arrow. When the cursor changes to a double arrow, click and drag the canvas until it is the same size as the image, below, right.
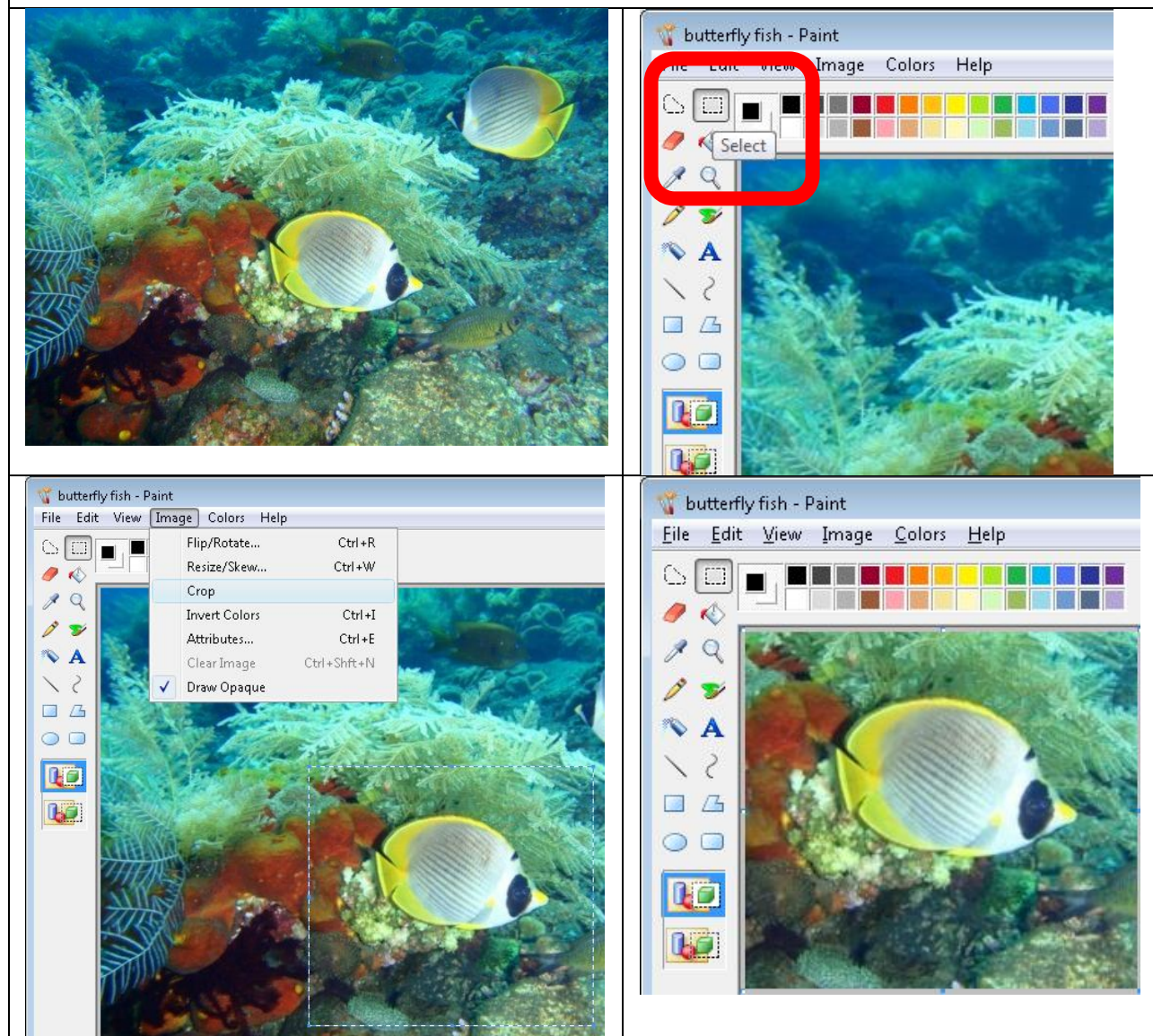

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Crop an Image

In paint, click on the Select Tool.

With the Select Tool selected, place the cursor on the image. Click and drag to select the area to be cropped.

Notice the dashed line around the fish in panel three below.

Click on the Image Menu then select Crop.
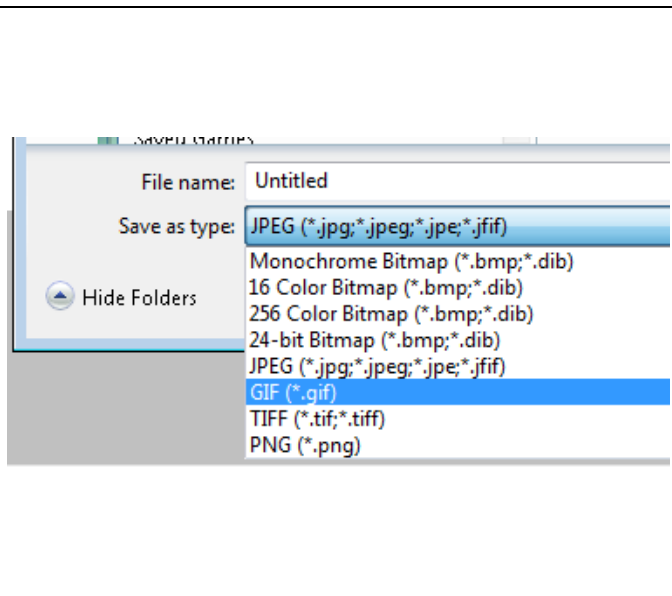

Save the image.

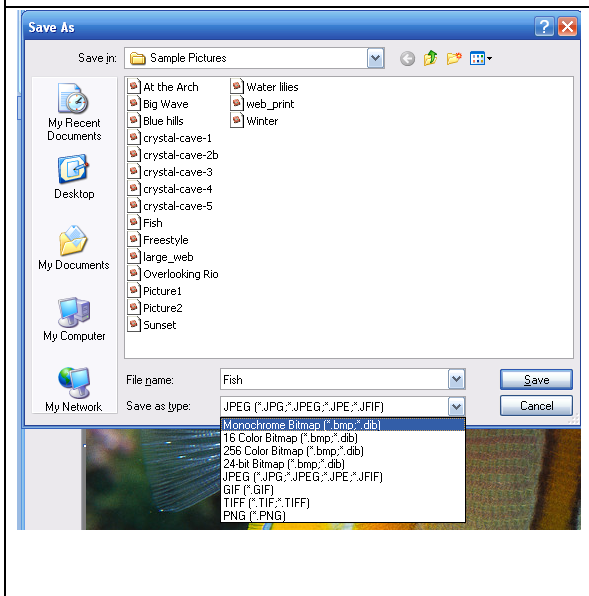**Caution: Save the image with a different name to keep your original image from being lost.**
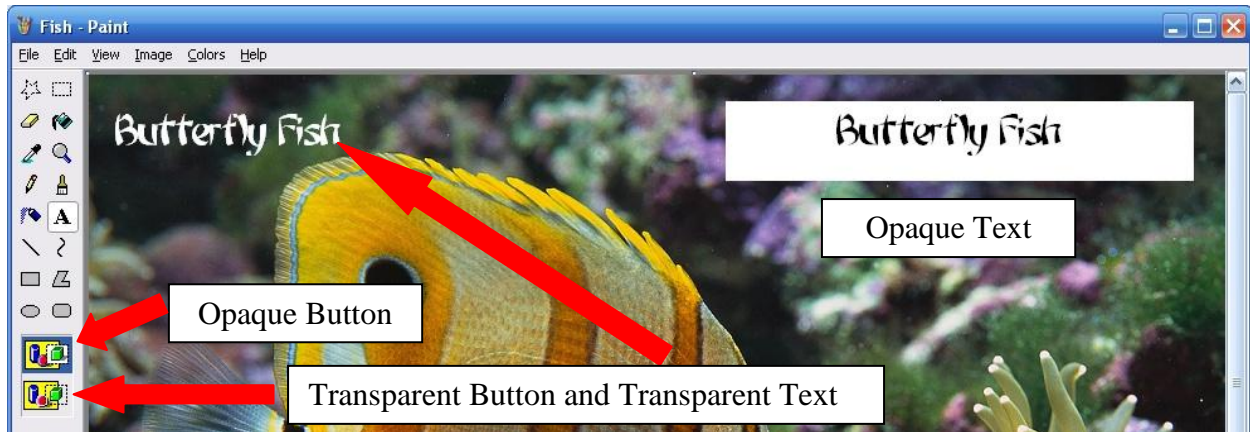
Changing Image Format

Sometimes it is necessary to change an image's format; jpg instead of bmp or jpg instead of gif.

Using Paint, open an image, Click on File, choose Save As. From the dropdown menu, select the format type then Save.

1. Open the image
2. File
3. Save As
4. Dropdown menu to select format
5. Click Save

Adding Text to an Image

To add text, Click on the Text Icon $A.$ Change font color, etc., drag to cursor to size the textbox, then type your text. Caution: Once you click out of the textbox, you cannot make changes.

Invert Colors

For an interesting effect, try Inverting Colors from the Image Menu. Remember to change the name to preserve the original image.	

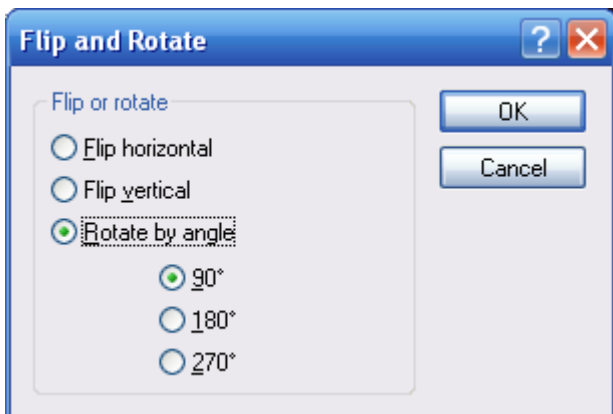## Flip and Rotate

Sometimes you rotate your camera 90 degrees for a vertical shot. That's fine until you want to use the image in a document. It must be rotated to be usable.
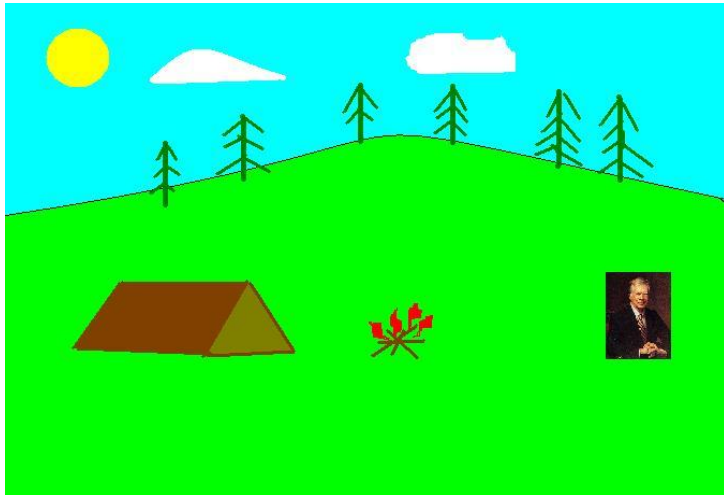
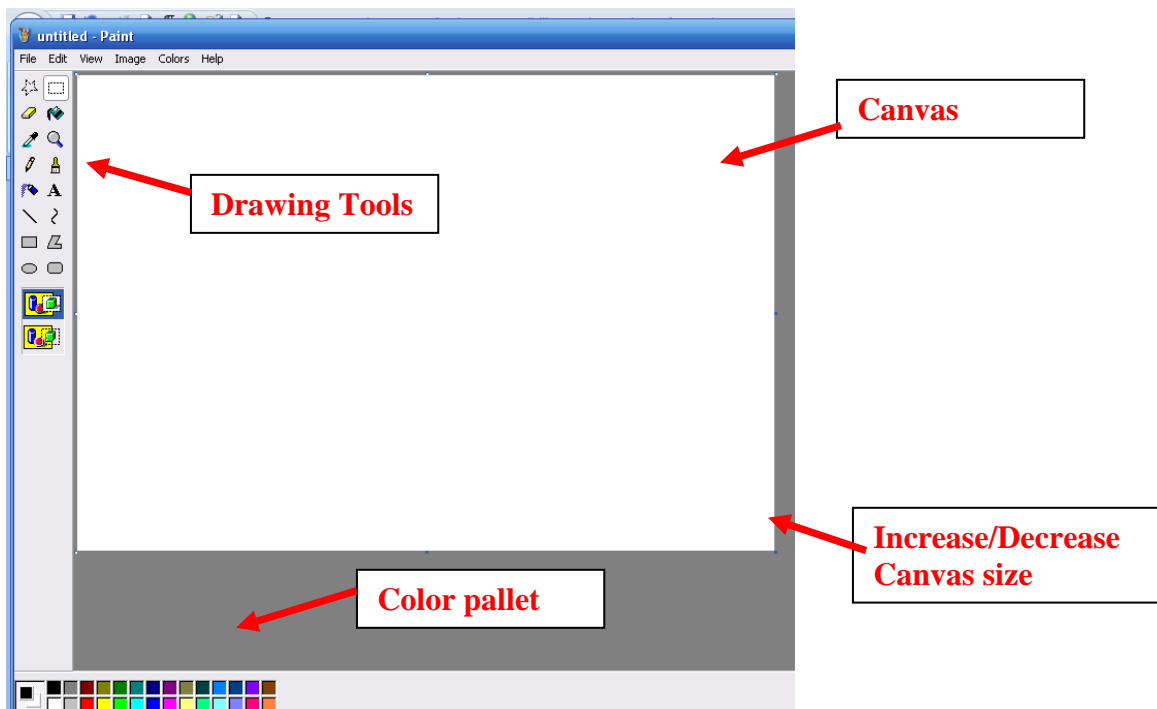From the Image Menu, select Rotate/Flip.

Select the appropriate rotation then OK.
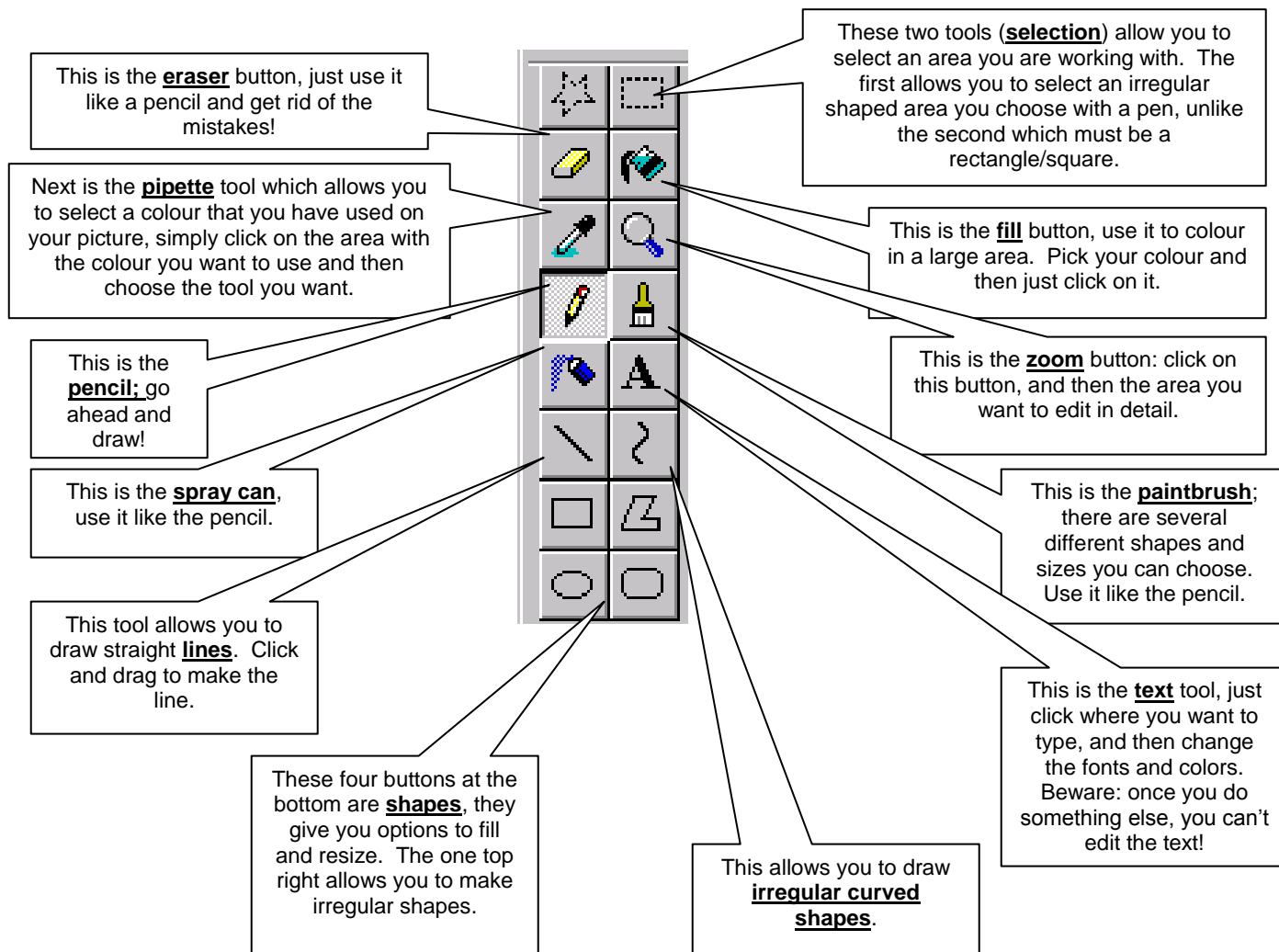
Drawing Tools

No, Jimmy Carter doesn't go camping with me. The picture of Jimmy Carter is to show you can add a picture to a picture.
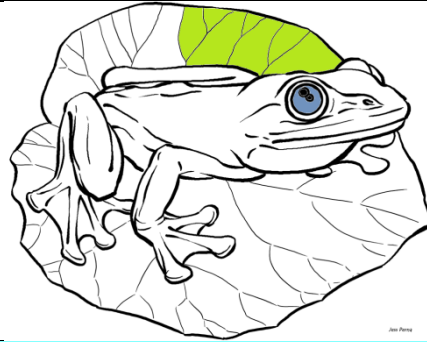
Quick Guide – Microsoft Paint

1. To find MS Paint go to **START>PROGRAMS>ACCESSORIES>PAINT**.
2. Below is the toolbar you get on opening paint with labels to explain what everything does:

These two tools (**selection**) allow you to select an area you are working with. The first allows you to select an irregular shaped area you choose with a pen, unlike the second which must be a rectangle/square.

This is the **eraser** button, just use it like a pencil and get rid of the mistakes!

Next is the **pipette** tool which allows you to select a colour that you have used on your picture, simply click on the area with the colour you want to use and then choose the tool you want.

This is the **fill** button, use it to colour in a large area. Pick your colour and then just click on it.

This is the **pencil;** go ahead and draw!

This is the **zoom** button: click on this button, and then the area you want to edit in detail.

This is the **spray can**, use it like the pencil.

This is the **paintbrush**; there are several different shapes and sizes you can choose. Use it like the pencil.

This tool allows you to draw straight **lines**. Click and drag to make the line.

This is the **text** tool, just click where you want to type, and then change the fonts and colors. Beware: once you do something else, you can't edit the text!

These four buttons at the bottom are **shapes**, they give you options to fill and resize. The one top right allows you to make irregular shapes.
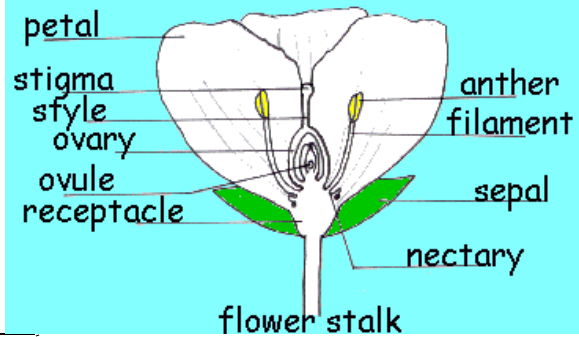
This allows you to draw **irregular curved shapes**.

The best way to learn MS Paint is to experiment with it. The menus give you various interesting effects, such as *stretching*, *flipping* and *rotating*. Take a look under each menu and see what's there.

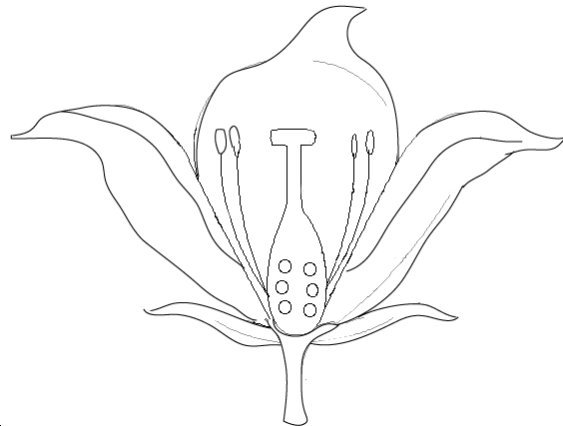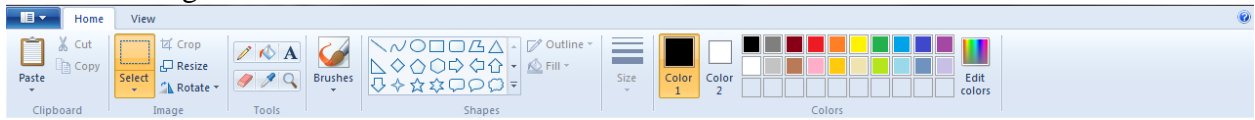|	
Just for fun, download the frog, use the fill tools, paint can, and pencil to color this image.	
You found the coolest drawing of a flower, cell, or whatever, and want to use it in your lessons and even use it for your students to label. The problem is it is labeled. Your task is to use the Paint drawing tools to erase the labels.	
You found the coolest drawing of a flower, cell, or whatever, and want to use it in your lessons and even use it for your students to study. The problem is it is not labeled. Your task is to use the Paint drawing tools to add labels.	

Wanted for Great Teaching

Don Carlin

Your Word Document Should Contain

1. The title: Wanted for Great Teaching and your name in Copperplate Gothic; size 28.
2. A short introduction about yourself. Who you are, what you teach, family, hobbies, etc. Use Ariel size 10 for the text body and Ariel size 12 for headers.
3. Add your Paint images to the Word document, appropriately labeled.
4. Save the work as Your Name – Paint Assignment.
5. Upload your document to the Power of Paint Assignment folder.

Your biography will be shared with the class.

Windows 7 Paint Tool Bars

Windows 7 Paint is similar to WindowsXp and Vista, just in different places. Inverse is one feature missing from Windows 7 Paint.

Home Menu Bar Tools	Drawing Tools
View Menu Tools	

Rubric for Power of Paint				
Assignment	**2**	**1**	**0**	**Total**
Title, Headings and text body in biography	Appropriate font and size used on title, headings, and body.	Appropriate font size mostly used on title, headings, and body.	Appropriate font not used.	
Text added to image	Used both transparent and opaque types of text.	Used only one type of textbox	No textbox used	
Biography	Biography explained this person well. You know them from their description	Biography somewhat explains who this person is.	Who is this person?	
Resized image	Original and resized image shown with appropriate heading	Only one image show and heading	No image or heading	
Cropped image	Original and cropped image are shown with appropriate headings	Only one image is shown or no headings are included	No image or heading	
Rotated image	Original and rotated image are shown with appropriate headings	Both images not included or label is missing	No image or heading	
Saved format	Image saved in two formats, gif and bmp formats. Each image is appropriate labeled	Image saved in one format or labels not included.	Image not saved in any format	
Labels removed from an image	All labels removed from an image. Image looks clean and neat	Not all labels removed or removal left stray lines	Labels not removed	
Labels added to an image	All labels added and image looks clean and neat	Not all labels added or labels not accurately drawn	Labels not added	
Paint tools were used to color a black and white image	Image was complete colored.	Image was only partially colored	Image was not colored.	
Total				