

# 8 Adding Graphics to a Presentation

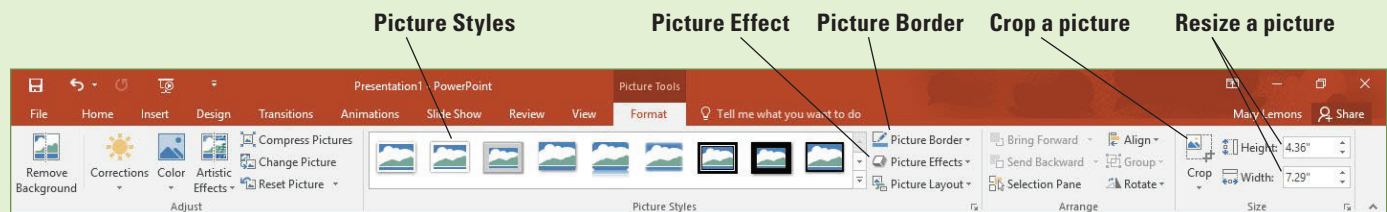
## LESSON SKILL MATRIX

| Skill                           | Exam Objective                 | Objective Number |
|---------------------------------|--------------------------------|------------------|
| Inserting and Formatting Images | Insert images.                 | 2.3.1            |
|                                 | Display alignment tools.       | 2.4.4            |
|                                 | Resize and crop images.        | 2.3.2            |
|                                 | Apply styles and effects.      | 2.3.3            |
|                                 | Preserve presentation content. | 5.2.4            |
| Adding Shapes to Slides         | Insert or replace shapes.      | 2.2.1            |
|                                 | Resize shapes and text boxes.  | 2.2.3            |
|                                 | Format shapes and text boxes.  | 2.2.4            |
| Ordering and Grouping Shapes    | Order objects.                 | 2.4.1            |
|                                 | Align objects.                 | 2.4.2            |
|                                 | Group objects.                 | 2.4.3            |

## SOFTWARE ORIENTATION

### Picture Tools

The Picture Tools Format tab (see Figure 8-1) enables you to apply formatting effects to images. After selecting the picture, apply formatting by clicking a button on this tab.



**Figure 8-1**  
Picture Tools Format tab

You can use the tools on the Picture Tools Format tab to apply picture styles, to add or remove its border, and to apply special effects like shadow, reflection, and 3-D rotation. You can also crop and size the picture, correct the colors, and add artistic effects.

## INSERTING AND FORMATTING IMAGES

You can use images to illustrate a slide's content or provide visual interest to help hold the audience's attention. You can insert images from a Bing image search, or you can insert a picture that you have created yourself or acquired from some other source. In PowerPoint 2016, you can also insert images from Facebook and Flickr. (The Flickr option was in previous versions but the Facebook option is new.) PowerPoint provides many options for improving the appearance of images after you have inserted them. You can reposition and resize them, rotate them, apply special effects such as Quick Styles, adjust brightness and contrast, and even recolor a picture for a special effect. If you do not like formatting changes you have made, you can reset an image to its original appearance.

## Inserting Images from the Web

In PowerPoint 2016, Microsoft has done away with the Office.com Clip Art gallery option. Instead, you search for the images you want to use using the Bing Image Search. This image search automatically shows you images that are licensed under Creative Commons license. These are images that you can use royalty-free in your presentations. To find an appropriate image for your presentation, you search by keyword using the Bing Image Search in PowerPoint. A **keyword** is a descriptor of an image's content, such as dog, tree, or flower. Each image has multiple keywords assigned to it, and so it can be found using a variety of keyword searches.

Some of the images are photographs, whereas others are clip art illustrations. **Clip art** illustrations are drawings composed of mathematically generated lines and shapes, similar to the lines and shapes users can create using PowerPoint's own drawing tools. Clip art illustrations increase the size of the presentation file less than photographs do, but they are less realistic-looking. PowerPoint 2016 does not distinguish between clip art and photographs when it searches the Web, and so your search results will likely contain a mixture of image types. To search specifically for clip art, simply include the words "clip art" after your search term.

**Take Note** Office 2016 uses the terms image and picture interchangeably. For example, the exam objectives reference images but those images are inserted using the Pictures and Online Pictures commands in the applications. The term illustration refers to drawn artwork such as clip art, and the term photograph refers to an image that was originally captured with a digital camera or scanned with a scanner.

### STEP BY STEP

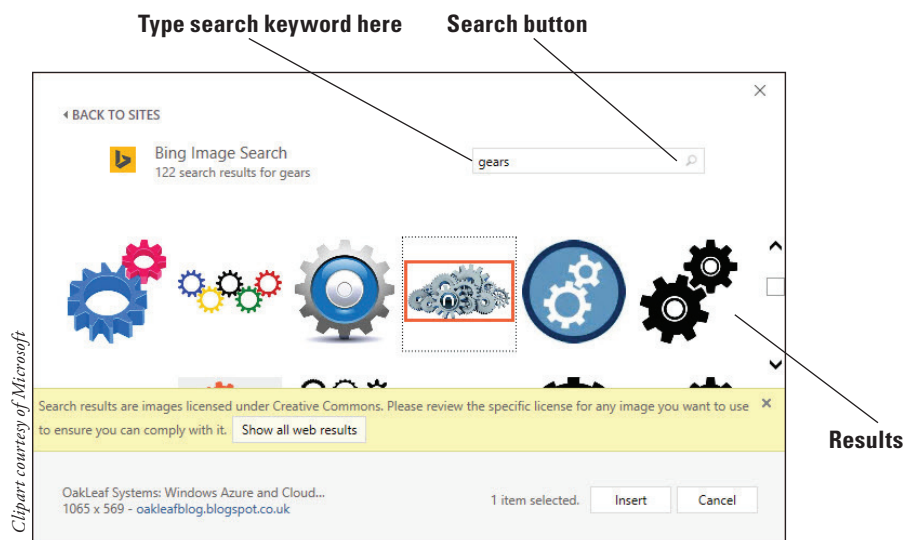
#### Insert an Image from the Web

**GET READY.** Before you begin these steps, make sure that your computer is on. Sign on, if necessary.

1. **START** PowerPoint, if the program is not already running.
2. **OPEN** the **Exhibits** presentation from the data files for this lesson and then **SAVE** it as **Exhibits Final**.
3. Go to slide 4 and click the **Online Pictures** icon in the empty content placeholder. The *Insert Pictures* dialog box opens.
4. Click in the **Bing Image Search** text box and type **gears**.
5. Press **Enter** or click the **Search** icon (the magnifying glass). PowerPoint searches for images that match the keyword and displays them in the dialog box (see Figure 8-2).
6. Scroll down through the results and click a picture of gears that you think will look good in the presentation.

**Figure 8-2**

Search for images with the keyword gears



**Take Note** The number of results change depending on how you word your search. For example, by typing gears, you get pictures of mechanical gears. If you just type gear photo, you get many more results, some showing camping gear, the word gear, and other random images.

7. Click **Insert**. The image is inserted in the content placeholder.
8. **SAVE** the presentation.

**PAUSE. LEAVE** the presentation open to use in the next exercise.

### Inserting a Picture from a File

You can download many pictures for free on the Internet or create your own picture files using a digital camera. In this exercise, you will insert a picture from a file that has already been created.

#### STEP BY STEP

##### Insert a Picture from a File

**GET READY. USE** the *Exhibits Final* presentation that is open from the previous exercise.

1. Go to slide 3 and on the Insert tab, click the **Pictures** button. The *Insert Picture* dialog box opens.
2. Navigate to the location of the data files for this lesson, click *Astronomy.jpg*, and then click **Insert**.
3. **SAVE** the presentation.

**PAUSE. LEAVE** the presentation open to use in the next exercise.

### Changing a Picture

After inserting a picture, if it is not what you want, you can easily delete it and insert a different one—either from an online source or from another file. However, if you have applied formatting to the picture, as you will learn to do in the remainder of this chapter, you might not want to lose the formatting and start over. In situations such as this, you can use the Change Picture command to swap out the picture without losing any of the formatting you have applied to the previous picture.

#### STEP BY STEP

##### Change a Picture

**GET READY. USE** the *Exhibits Final* presentation that is open from the previous exercise.

1. Go to slide 4.
2. Right-click the picture and click **Change Picture**. The *Insert Pictures* dialog box opens.
3. Click the **Browse** hyperlink next to From a file. The *Insert Picture* dialog box opens. (This is a different dialog box from the one in step 2.)
4. Navigate to the folder containing the data files for this lesson and click *Gears.jpg*.
5. Click **Insert**. The picture is replaced.
6. **SAVE** the presentation.

**PAUSE. LEAVE** the presentation open to use in the next exercise.

### Using the Ruler, Gridlines, and Guides

In Normal, Outline, and Notes Page views, you can turn on PowerPoint's horizontal and vertical **rulers**, which help you measure the size of an object on the slide, as well as the amount of space between objects. **Smart Guides** appear automatically as you drag objects on a slide to help you line them up with other content on the slide. If you want guide lines that stay visible, turn on the

Guides feature. These drawing **guides** are movable, vertical and horizontal non-printing lines that you can use when positioning objects on a slide. PowerPoint also provides **gridlines**, a set of dotted horizontal and vertical lines that overlay the entire slide. In this exercise, you learn how to use the ruler, guides, and gridlines to position objects so that they align with other objects on a slide and appear consistently throughout a presentation.

## STEP BY STEP

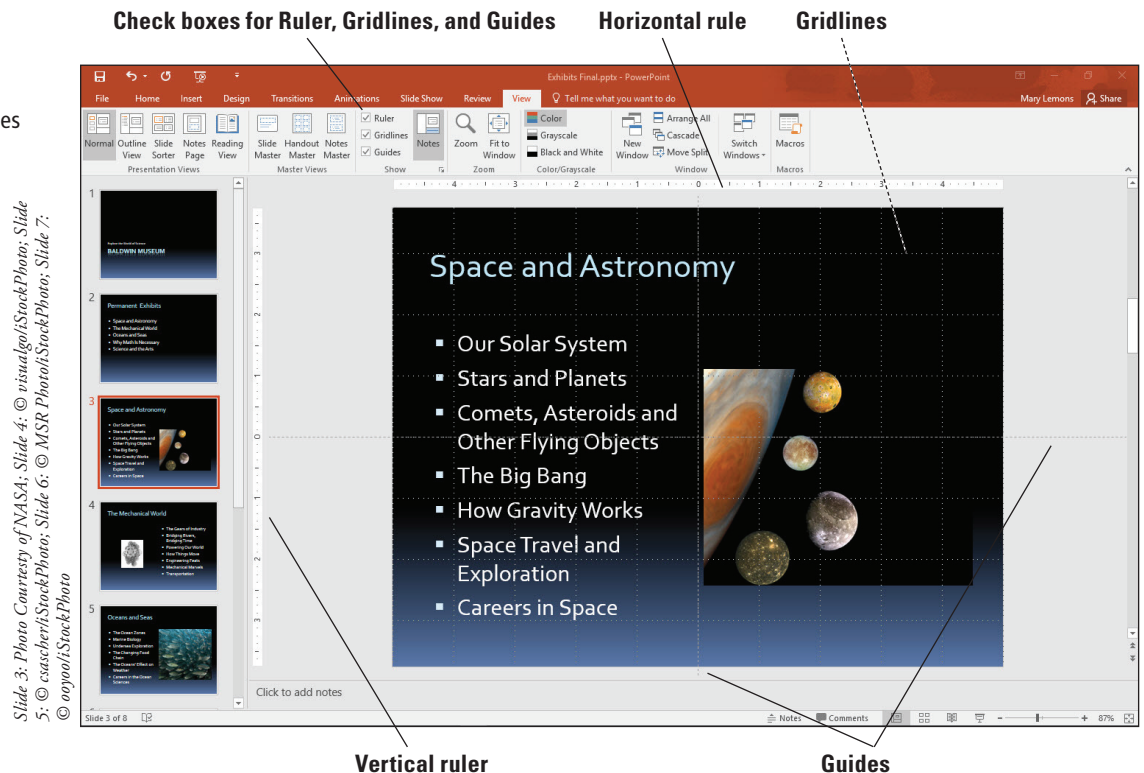
### Use the Ruler, Gridlines, and Guides

**GET READY.** USE the **Exhibits Final** presentation that is open from the previous exercise.

1. Go to the View tab, click **Ruler** if this option is not already selected. The vertical and horizontal rulers appear in the Slide pane.
2. Click to mark the **Gridlines** check box. A grid of regularly spaced dots overlays the slide (see Figure 8-3).
3. Click to mark the **Guides** check box. The default vertical and horizontal drawing guides display, intersecting at the center of the slide, as shown in Figure 8-3.

**Figure 8-3**

Rulers, gridlines, and guides



Slide 3: Photo Courtesy of NASA; Slide 4: © visualgo/StockPhoto; Slide 5: © cascheri/StockPhoto; Slide 6: © MSR Photo/StockPhoto; Slide 7: © ooyoi/StockPhoto

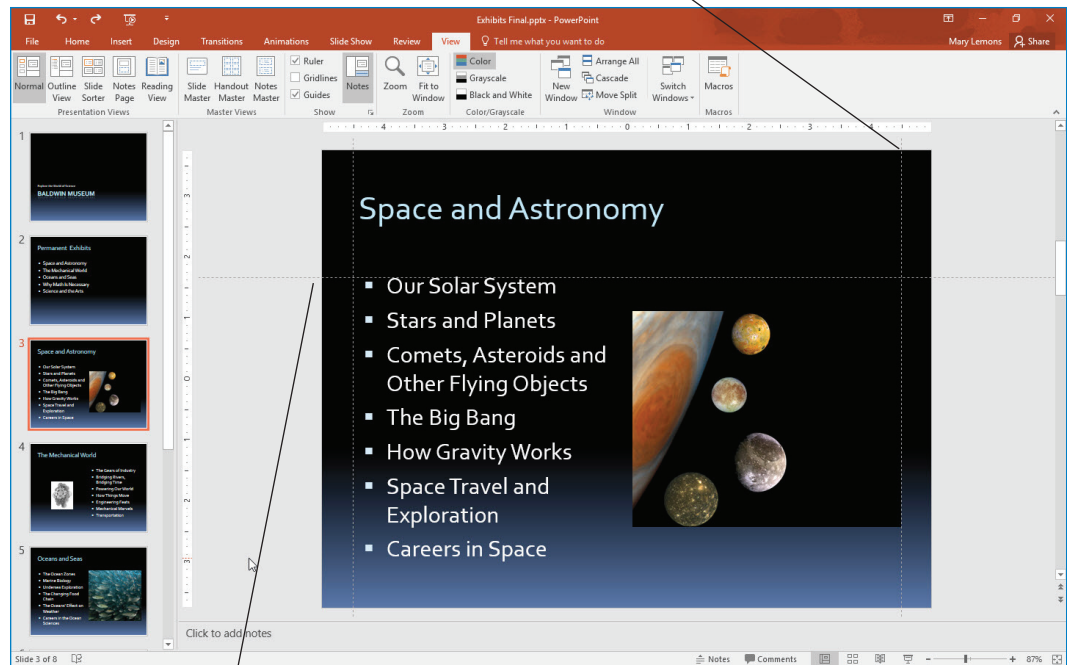
4. The guides will be more useful for positioning pictures in this presentation, so you can turn off the gridlines: click the **View** tab, and click **Gridlines** in the Show group to remove the check mark and hide the gridlines.
5. Click the text box on slide 3 that contains the bulleted list to activate it. Be sure to select the text box; don't select the text. You will use the text box's border to help you position guides.
6. Click the vertical guide. As you hold down the mouse button, a ScreenTip appears that shows the current position of the guide—0.0, indicating the guide is at the 0-inch mark on the horizontal ruler.
7. Click and drag the guide to the left until it aligns on the left border of the text placeholder. The ScreenTip should read approximately 4.50 with a left-pointing arrow. Release the mouse button to drop the guide at that location.

8. Click the horizontal guide to the right of the planet picture and drag upward until the ScreenTip reads 1.67 with an upward-pointing arrow. Drop the guide. It should align with the top of the capital letters in the first line of the text placeholder.
9. Click the vertical guide you positioned near the left edge of the slide, hold down **Ctrl**, and drag a copy of the guide to the right until the ScreenTip reads 4.50 with a right-pointing arrow. Drop the guide by first releasing the mouse button and then releasing the Ctrl key. Your slide should look like Figure 8-4.

Vertical guide at the 4.5" mark on the ruler

**Figure 8-4**

Drawing guides positioned on the slide



Horizontal guide aligned with top of text

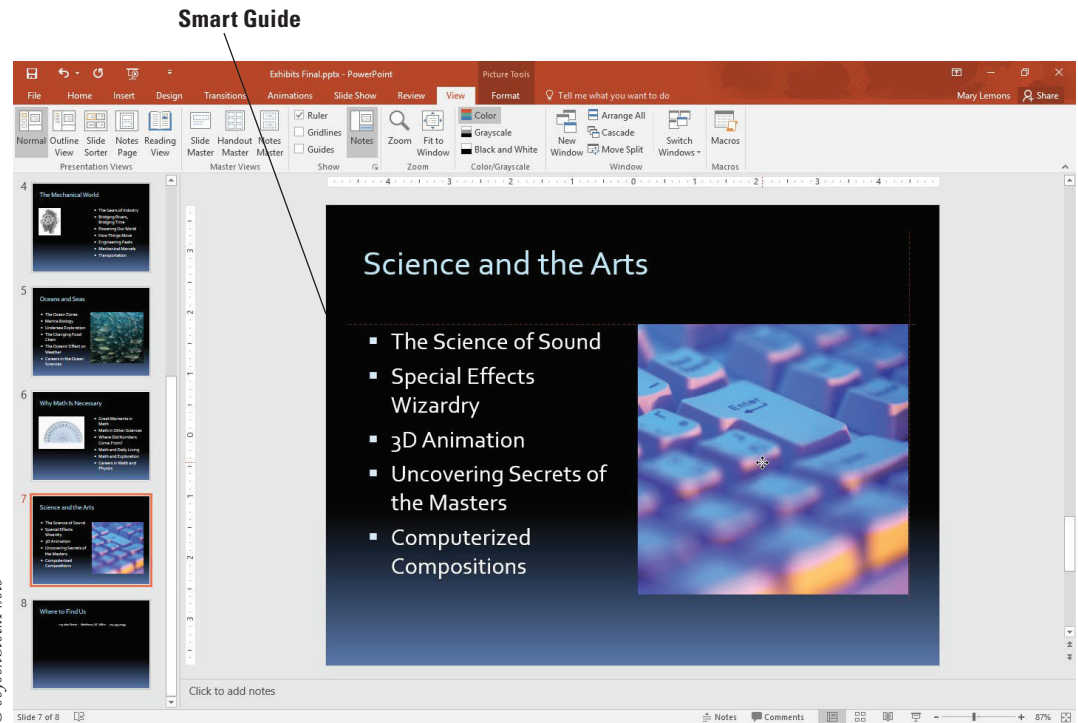
10. Go to slide 4, click the gear picture, and drag it until the upper-left corner of the picture snaps to the intersection of the vertical and horizontal guides.
11. Go to slide 5 and drag the picture down and to the left so its upper-right corner snaps to the intersection of the guides.
12. Go to slide 6 and drag the picture up and to the left to snap to the intersection of the two guides.
13. On the View tab, clear the **Guides** check box to turn off the guides.
14. Go to slide 7 and drag the picture up on the slide until you see a faint red dotted horizontal line at its top. This Smart Guide indicates that the picture is at the same vertical position as the text box to its left (see Figure 8-5). Release the mouse button to drop the picture in the new location.

Slide 3: Photo Courtesy of NASA; Slide 4: © visualgo/istockphoto; Slide 5: © cascher/istockphoto; Slide 6: © MSR Photo/istockphoto; Slide 7: © ooyoo/istockphoto

**Figure 8-5**

Smart Guides can help you position objects without using traditional guides

Slide 3: Photo Courtesy of NASA; Slide 4: © visualgo/iStockPhoto; Slide 5: © cascher/iStockPhoto; Slide 6: © MSR Photo/iStockPhoto; Slide 7: © oyyoo/iStockPhoto



**Take Note** If you do not like the Smart Guides feature, you can turn it off. Right-click an empty area of the slide, point to Grid and Guides, and click Smart Guides. Repeat that same procedure to re-enable the feature.

**15. SAVE** the presentation.

**PAUSE. LEAVE** the presentation open to use in the next exercise.

## Rotating and Flipping an Image

You can rotate or flip pictures to change their orientation on a slide. Rotating spins the picture around its center; flipping creates a mirror image of it. Rotating and flipping can provide additional visual interest for a graphic or fit it more attractively on a slide.

### STEP BY STEP

#### Rotate and Flip an Image

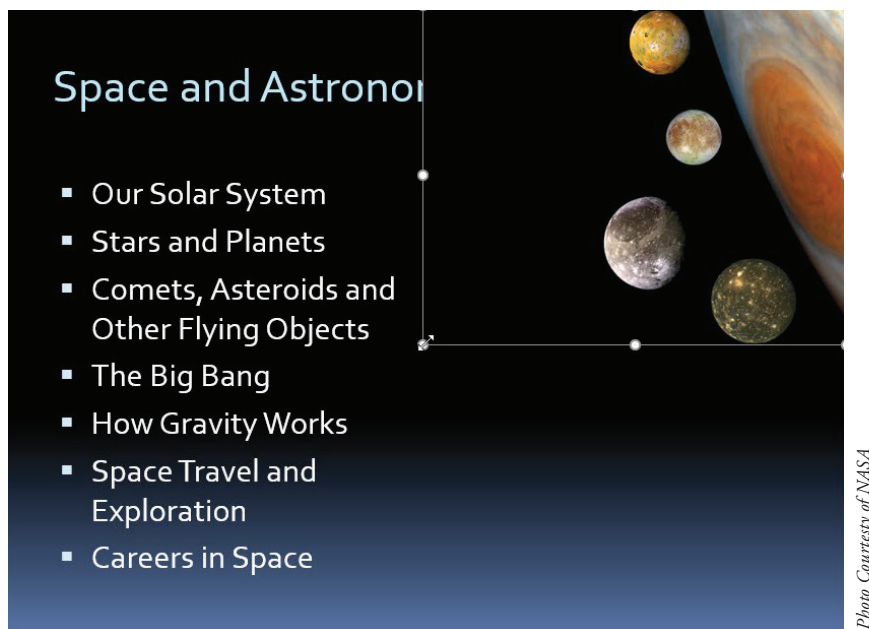
**GET READY. USE** the **Exhibits Final** presentation that is open from the previous exercise.

- 1. SAVE** the file as **Exhibits Final Version 2**.
- Go to slide 3, and click the picture to select it.
- Click the **Picture Tools Format** tab, click **Rotate Objects** in the Arrange group, and then click **Flip Horizontal** in the drop-down menu that appears. The picture reverses its orientation so the planet is on the right and its moons are on the left.
- Drag the picture up into the upper-right corner of the slide, so that the top and right edges of the picture align with the top and right edges of the slide (see Figure 8-6).



**Figure 8-6**

The picture has been flipped horizontally and moved to the top right of the slide



5. Go to slide 4 and click the picture to select it.
6. Click the **Picture Tools Format** tab, click **Rotate Objects**, and then click **Rotate Left 90°**.
7. **SAVE** the presentation.

**PAUSE. LEAVE** the presentation open to use in the next exercise.

### Cropping an Image

You have several options for adjusting the size of a picture or other graphic object. You can crop an object to remove part of the object, drag a side or corner, specify exact measurements for an object, or scale it to a percentage of its original size. When you **crop** a picture, you remove a portion of the graphic that you think is unnecessary in order to focus attention on the most important part of a picture. The portion of the picture you cropped is not deleted. You can restore the cropped material by using the crop pointer to drag outward to reveal the material that was previously hidden.

## STEP BY STEP

### Crop an Image

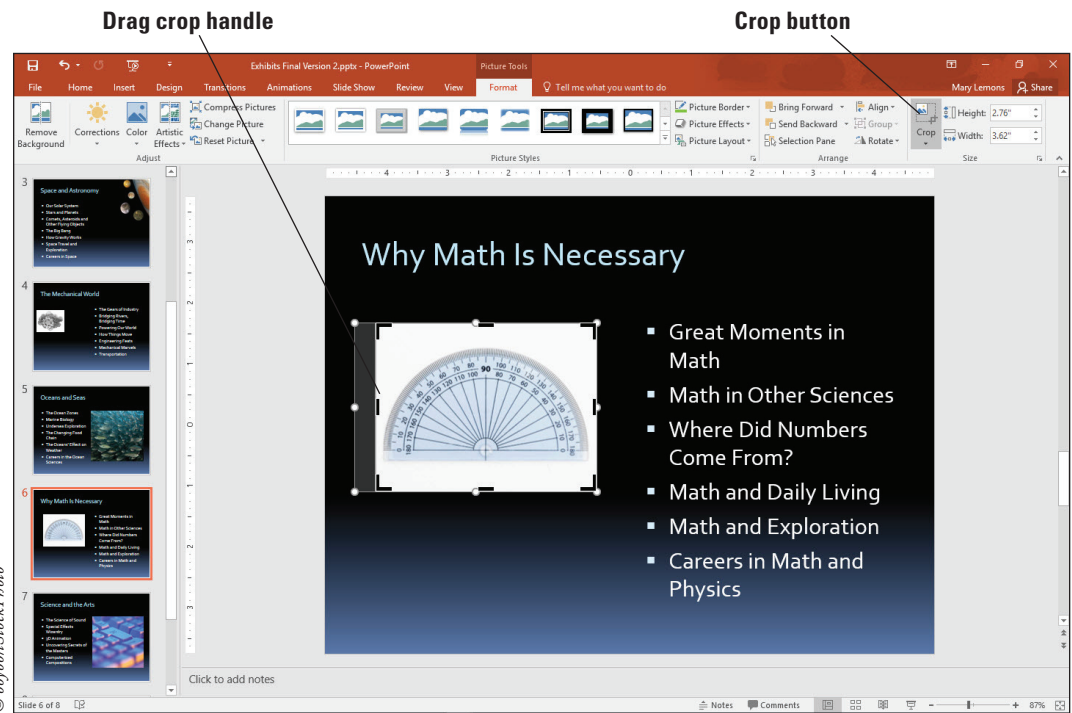
**GET READY. USE** the **Exhibits Final Version 2** presentation that is open from the previous exercise.

1. Go to slide 6 and click the picture to select it.
2. Click the **Picture Tools Format** tab.
3. Click the **Crop** button in the Size group. (Click the upper part of the button, not the arrow below it.) The pointer changes to a crop pointer and crop handles appear around the edges of the picture.
4. Click to position the pointer on the left side crop handle and drag inward to crop the picture so that there is an approximately equal amount of white space to the left of the protractor and to the right of it (see Figure 8-7).
5. Release the mouse button and then click the **Crop** button again to complete the crop.
6. On the View tab, mark the **Guides** check box to turn the guides back on.
7. Click and drag the cropped picture back up to the intersection of the two guides.
8. On the View tab, clear the **Guides** check box to turn the guides off.
9. **SAVE** the presentation.

**Figure 8-7**

Drag the crop handle down to remove a portion of the picture

Slide 3: Photo Courtesy of NASA; Slide 4: © visualgo/iStockPhoto; Slide 5: © cascher/iStockPhoto; Slide 6: © MSR Photo/iStockPhoto; Slide 7: © oyoof/iStockPhoto



**PAUSE. LEAVE** the presentation open to use in the next exercise.

## Resizing an Image

In this exercise, you will learn three ways to adjust the size of a picture: by simply dragging a corner, by setting measurements in the Size and Position controls in the Format Picture task pane, and by setting a measurement in the Size group on the Picture Tools Format tab. You can use these options to resize any object on a slide.

Generally, you will want to maintain a picture's **aspect ratio** when you resize it. The aspect ratio is the relationship of width to height. By default, a change to the width of a picture is also applied to the height to maintain aspect ratio. In some instances, you may want to distort a picture on purpose by changing one dimension more than the other. To do so, you must deselect the Lock aspect ratio check box in the Size section of the Format Picture task pane. You are then free to change width and height independently. Alternatively, you can drag a side selection handle on the object (not a corner); this action allows you to adjust each dimension separately.

In the following exercise, you will resize an object and change its aspect ratio.

## STEP BY STEP

### Resize an Image

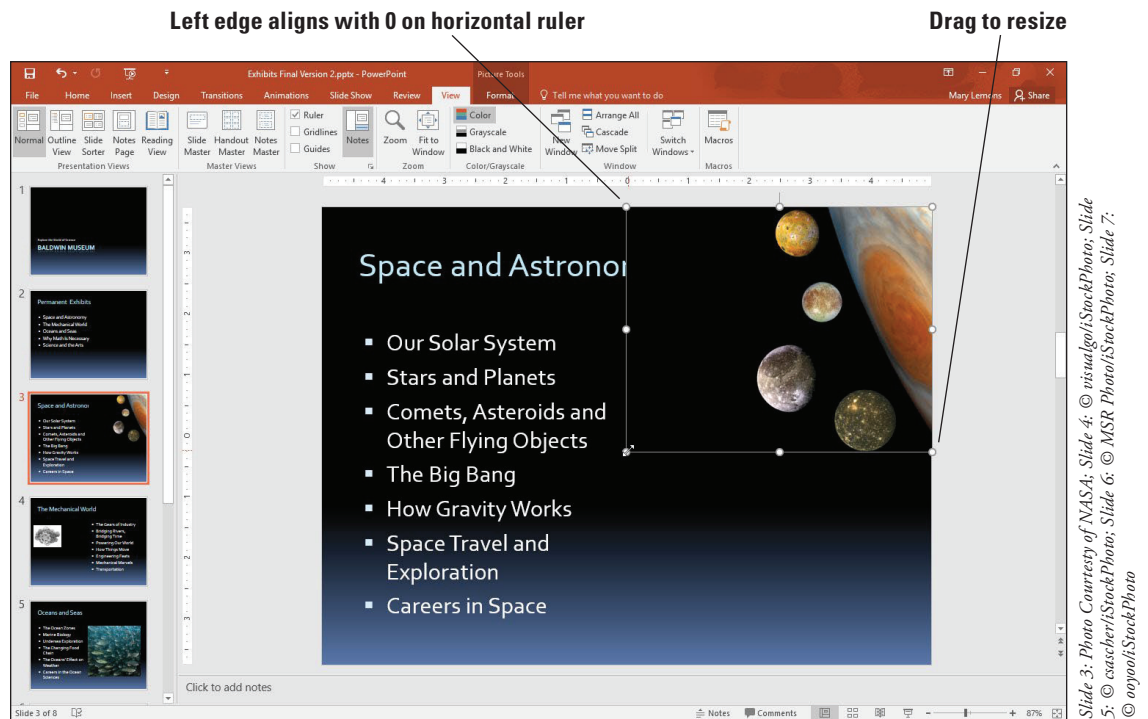
**GET READY. USE** the *Exhibits Final Version 2* presentation that is open from the previous exercise.

1. Go to slide 3 and click the picture to select it.
2. Click and drag the lower-left corner of the picture diagonally until the left edge of the picture aligns with the 0 mark on the horizontal ruler (see Figure 8-8). (Do not worry that the slide title is partially covered; you will fix this problem in a later exercise.)



**Figure 8-8**

Resize a picture by dragging a corner



**Take Note** If you have difficulty getting the size right because Smart Guides pop up to snap the image into alignment with other objects on the slide, turn off Smart Guides temporarily. Right-click an empty area of the slide, point to Grid and Guides, and click Smart Guides. Repeat that same procedure to re-enable the feature.

3. Go to slide 4 and click the picture to select it.
4. Right-click the picture and then click **Size and Position** from the shortcut menu. The Format Picture task pane appears.
5. Click the **Lock aspect ratio** check box to deselect this option. You can now specify the height and width independently.
6. In the Size area of the task pane, click the **Reset** button to remove previous modifications made to this picture (rotation) from an earlier exercise.
7. Click the **Height** up arrow until the height is **3.7** inches. Click the **Width** down arrow until the width is **3** inches. (Alternatively, you can type the numbers.)
8. Click to expand the **Position** heading in the task pane and then set the **Vertical position** to **2.1**. This action is an alternate way of moving a picture.
9. Close the task pane.
10. Go to slide 5 and click the picture to select it.
11. Click the **Picture Tools Format** tab and then click the **Width** down arrow in the Size group until the picture's width is **4.2** inches.
12. Turn the guides back on and then drag the picture to align its upper-right corner with the intersection of the two guides near the right edge of the slide. Then turn the guides off again.
13. **SAVE** the presentation.

**PAUSE. LEAVE** the presentation open to use in the next exercise.

Slide 3: Photo Courtesy of NASA; Slide 4: © visualgo/istockphoto; Slide 5: © cascher/istockphoto; Slide 6: © MSR Photo/istockphoto; Slide 7: © oayou/istockphoto

## Applying a Style to an Image

PowerPoint provides a number of styles you can use to apply borders and other effects to images. You can easily apply styles with heavy borders, shadow and reflection effects, and different shapes such as ovals and rounded corners. Use styles to dress up your images or format them consistently throughout a presentation.

### STEP BY STEP

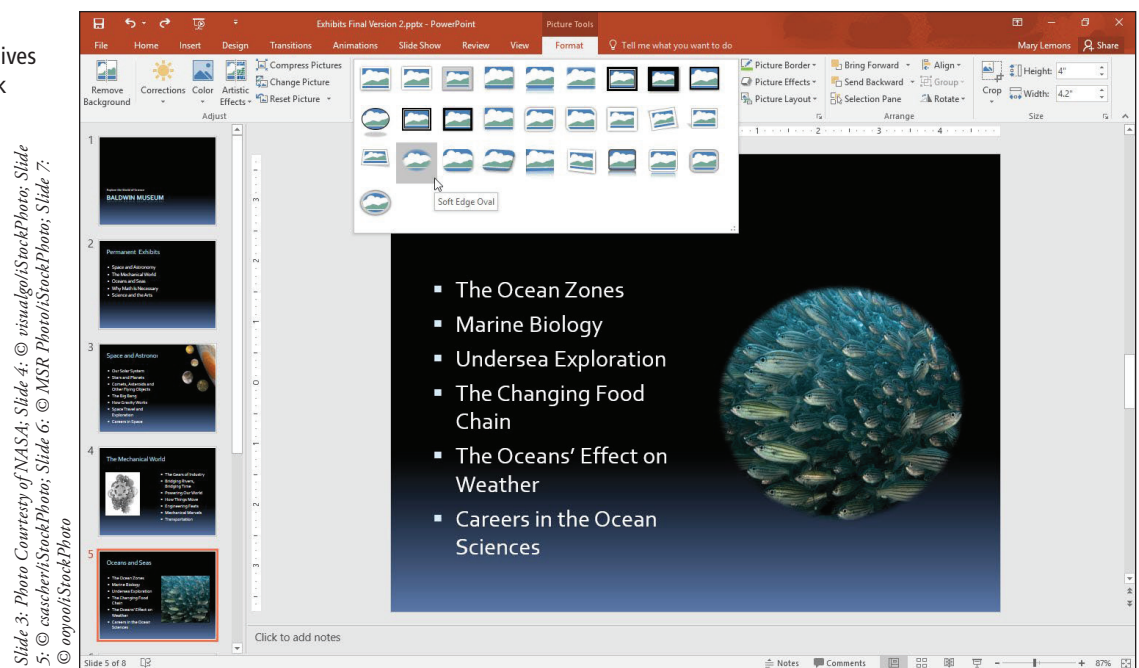
#### Apply a Style to a Picture

**GET READY.** USE the *Exhibits Final Version 2* presentation that is open from the previous exercise.

1. Go to slide 5 and click the picture to select it if necessary.
2. On the Picture Tools Format tab, click the **More** button in the Picture Styles group. The Picture Styles gallery appears.
3. Click the **Soft Edge Oval** style. Your picture should look like the one in Figure 8-9.

**Figure 8-9**

The Soft Edge Oval style gives the picture a different look



Slide 3: Photo Courtesy of NASA; Slide 4: © visualgo/istockphoto; Slide 5: © csascher/istockphoto; Slide 6: © MSR Photo/istockphoto; Slide 7: © joyvol/istockphoto

4. **SAVE** the presentation.

**PAUSE.** LEAVE the presentation open to use in the next exercise.

## Correcting Brightness and Sharpness

You may need to modify a picture's appearance to make it show up well on a slide. This action can be particularly important with pictures you insert from files, which may not have been photographed using the optimal settings. In PowerPoint 2016 Brightness, Contrast, and Sharpness/Softness are all controlled from the same section of the Format Picture task pane. For presets, you can select from the Corrections button's menu. For precise amounts, you can use the task pane.

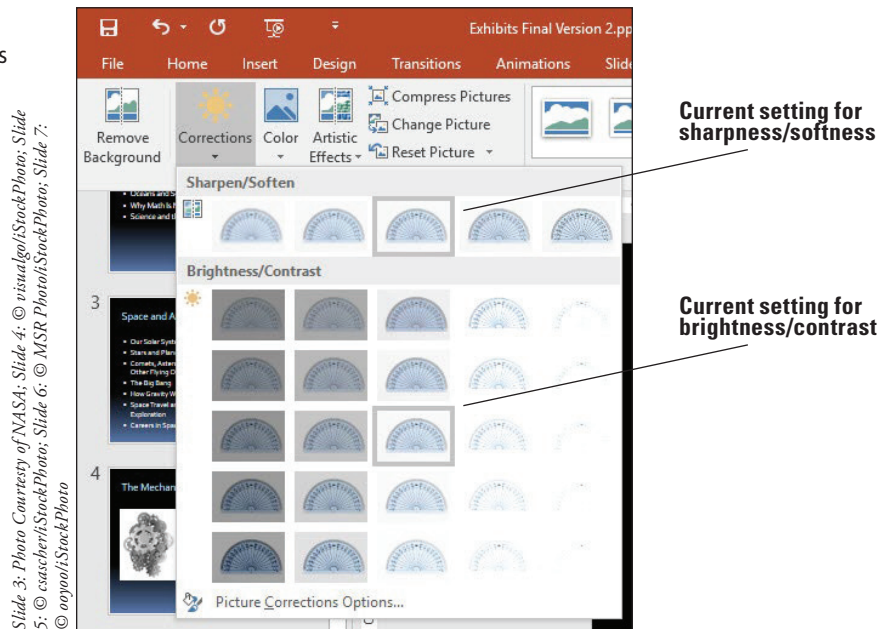
**STEP BY STEP****Adjust a Picture's Brightness and Sharpness**

**GET READY.** USE the *Exhibits Final Version 2* presentation that is open from the previous exercise.

1. Go to slide 6 and click the picture to select it. This picture is a bit too bright.
2. Click the **Picture Tools Format** tab.
3. In the Adjust group, click **Corrections**. A palette of corrections appears (see Figure 8-10). Notice that there are two sections: Sharpen/Soften and Brightness/Contrast. The center selection in each section is the current setting.

**Figure 8-10**

Select from the Corrections button's palette

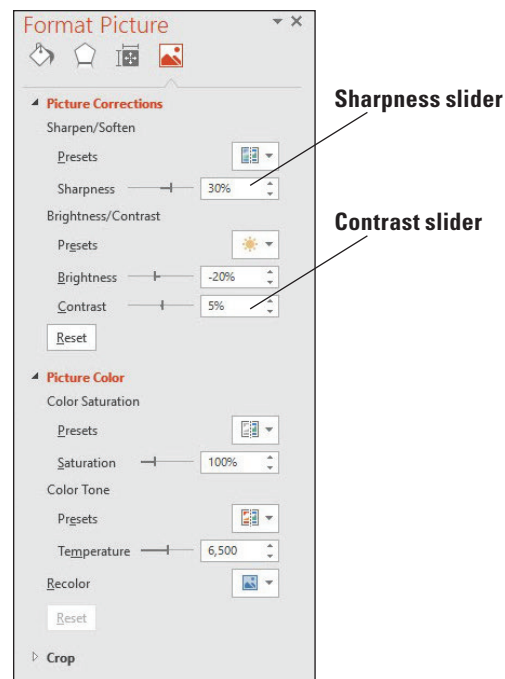


4. In the Brightness/Contrast section, click the **Brightness -20% Contrast; 0% (Normal)** setting.
5. Click the **Corrections** button again, reopening the menu.
6. In the Sharpen/Soften section, click **Sharpen: 25%**.
7. Click the **Corrections** button again, and then click **Picture Corrections Options**. The Format Picture task pane opens.
8. Drag the **Sharpness** slider to **30%** and drag the **Contrast** slider to **5%** (see Figure 8-11).
9. Close the task pane.
10. **SAVE** the presentation.

**PAUSE.** LEAVE the presentation open to use in the next exercise.

**Figure 8-11**

Correct a picture from the Format Picture task pane



## Applying Color Adjustments

Color adjustments enable you to correct minor exposure or color problems in an image without having to open it in a third-party photo editing program. You can improve the look of a picture by making subtle adjustments, or apply dramatic adjustments that distort the image for a special effect.

Each of the three sections on the Color button's palette controls a different aspect of the color. Color **Saturation** determines the intensity of the color, ranging from 0% (grayscale, no color) to 400% (extremely vivid color). Color **Tone** refers to the subtle tint of the image's color, ranging from warmer shades (more red) to cooler shades (more blue). **Recolor** enables you to select color wash to place over the image or to set it to grayscale, black and white, or washout. In this exercise, you will make some color corrections on a photo.

### STEP BY STEP

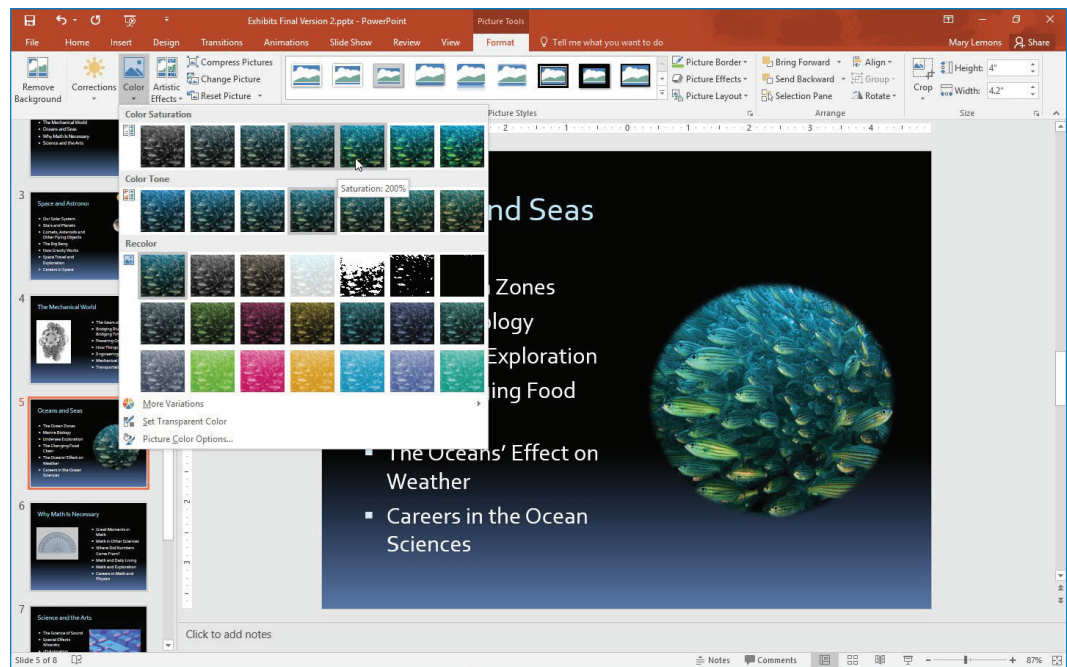
#### Apply Color Adjustments

**GET READY.** USE the *Exhibits Final Version 2* presentation that is open from the previous exercise.

1. Go to slide 5 and click the picture to select it.
2. Click the **Picture Tools Format** tab.
3. In the Adjust group, click **Color**. A palette of color choices appears.
4. In the Color Saturation section, click **Saturation 200%** (see Figure 8-12).

**Figure 8-12**

Select color correction presets for the picture



Slide 3: Photo Courtesy of NASA; Slide 4: © visualgo/iStockPhoto; Slide 5: © cascher/iStockPhoto; Slide 6: © MSR Photo/iStockPhoto; Slide 7: © ooyooli/iStockPhoto

5. Click **Color** again to reopen the palette, point at **More Variations**, and then in the Standard Colors group, point to **Light Green** to see a preview applied to the picture. Click away from the menu to close the menu without making a selection.
6. Click **Color** again to reopen the palette, and then click **Picture Color Options**. The Format Picture task pane opens.
7. In the Picture Color section under Color Tone, set the **Temperature** value to **7,000** by typing **7,000** in the Temperature text box.
8. **CLOSE** the task pane.
9. **SAVE** the presentation.

**PAUSE. LEAVE** the presentation open to use in the next exercise.

## Adding Effects to an Image

There are two types of effects that you can apply to a picture: picture effects (such as Glow, Shadow, and Bevel), which affect the outer edges of the picture, and artistic effects (such as Chalk Sketch or Line Drawing), which affect the picture itself.

## Adding Picture Effects

Picture effects apply to the edges of a picture; they don't apply to the picture itself. For example, you can apply a beveled frame to a picture, or make its edges fuzzy. In the following exercise, you will apply a bevel and a glow effect.

### STEP BY STEP

#### Add Picture Effects to an Image

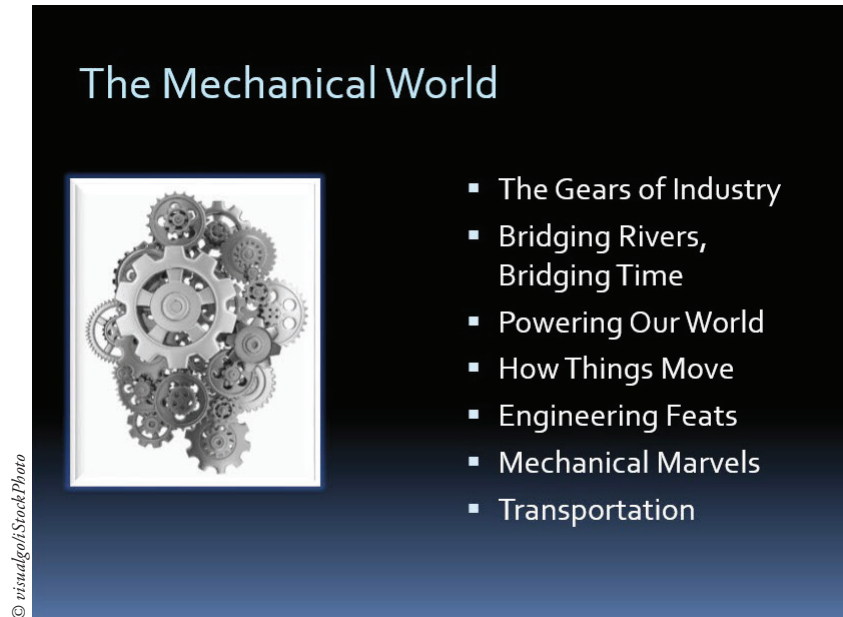
**GET READY. USE** the **Exhibits Final Version 2** presentation that is open from the previous exercise.

1. Go to slide 4 and click the picture to select it.
2. Click the **Picture Tools Format** tab.
3. Click the **Picture Effects** button in the Picture Styles group, point to **Preset** in the drop-down menu that appears, and then click **Preset 2**. A preset formatting effect is applied.

4. Click the **Picture Effects** button, point to **Bevel**, and then click **Art Deco** (the last one). A different bevel is applied.
5. Click the **Picture Effects** button, point to **Glow**, and then click **Periwinkle, 8-point glow, Accent color 5**. An 8-point periwinkle blue glow is placed around the picture.
6. Click away from the picture to deselect it so you can see it more clearly. The slide should look like Figure 8-13.

**Figure 8-13**

The slide after picture effects have been applied to the picture



7. **SAVE** the presentation.

**PAUSE. LEAVE** the presentation open to use in the next exercise.

### Adding Artistic Effects

Artistic effects enable you to transform the picture itself, not just the outer edges. Some of the effects, such as the Paint Strokes effect you apply in this exercise, can even make the picture look less like a photograph and more like a hand-drawn work of art.

## STEP BY STEP

### Add Artistic Effects to an Image

**GET READY. USE** the **Exhibits Final Version 2** presentation that is open from the previous exercise.

1. Go to slide 7 and click the picture to select it.
2. Click the **Picture Tools Format** tab.
3. Click **Artistic Effects** in the Adjust group to open the Artistic Effects gallery, and then point to several different settings in the gallery. Observe their effect on the image behind the open palette.
4. Click **Paint Strokes**. (It is the second one in the second row.)
5. **SAVE** the presentation.

**PAUSE. LEAVE** the presentation open to use in the next exercise.



## Removing an Image's Background

Some graphic file formats allow a photo to have a transparent background, but most photos do not use transparency. If you want to make areas of a certain color transparent in the copy of the photo you use in your presentation, you can do so with the Remove Background command. You will learn how to use the Remove Background command in this exercise.

### STEP BY STEP

### Remove an Image Background

**GET READY.** USE the *Exhibits Final Version 2* presentation that is open from the previous exercise.

1. Go to slide 3 and click the picture to select it.
2. On the Picture Tools Format tab, click **Remove Background**. The Background Removal tab appears on the Ribbon and the picture turns purple except for one planet. The purple areas are the parts that will be removed.
3. Zoom in to **100%** zoom using the Zoom slider in the bottom right corner of the PowerPoint window and then adjust the display so you can see the photo clearly.
4. Notice that inside the picture is a rectangular border with selection handles. Only content within this rectangle will be kept. Drag the corner selection handles of that rectangle so that the entire picture is inside that area.
5. On the Background Removal tab, click **Mark Areas to Keep**.
6. Click and drag to draw across one of the planets. If the entire planet does not turn back to its original color with a single click, continue clicking different parts of it until the entire planet appears in its original color. Zoom in further if needed to see what you are doing.



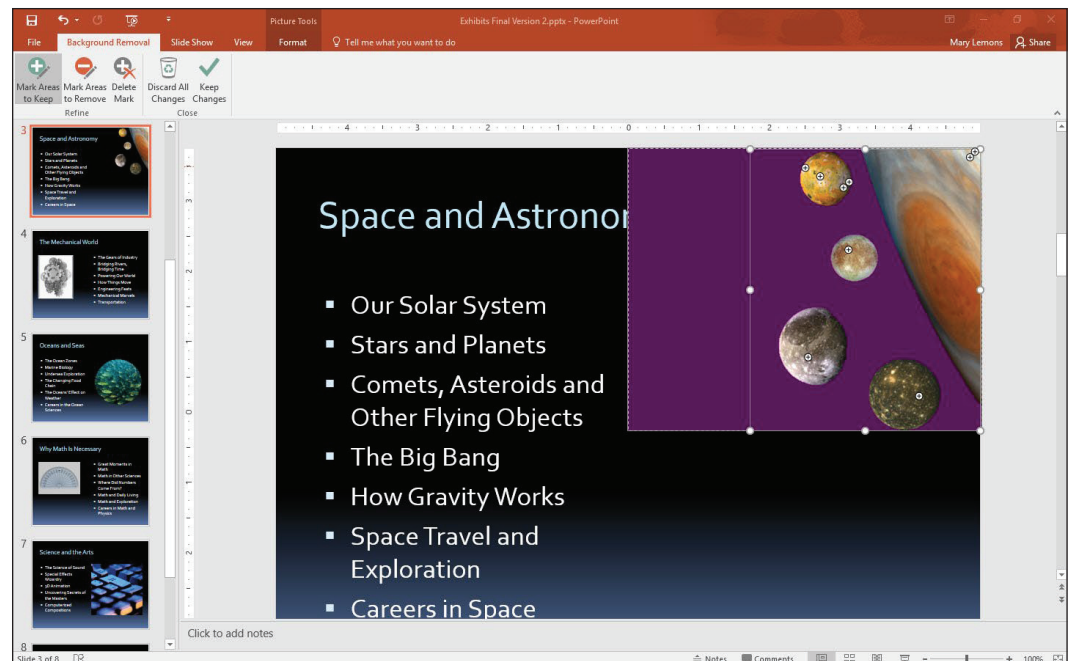
### Troubleshooting

If you make a mistake and click too much, and the entire background turns black, press Ctrl+Z to undo your last action and try again.

7. Repeat step 6 until only the background is purple and all planets appear in their original colors (see Figure 8-14).

**Figure 8-14**

Adjust the areas to keep

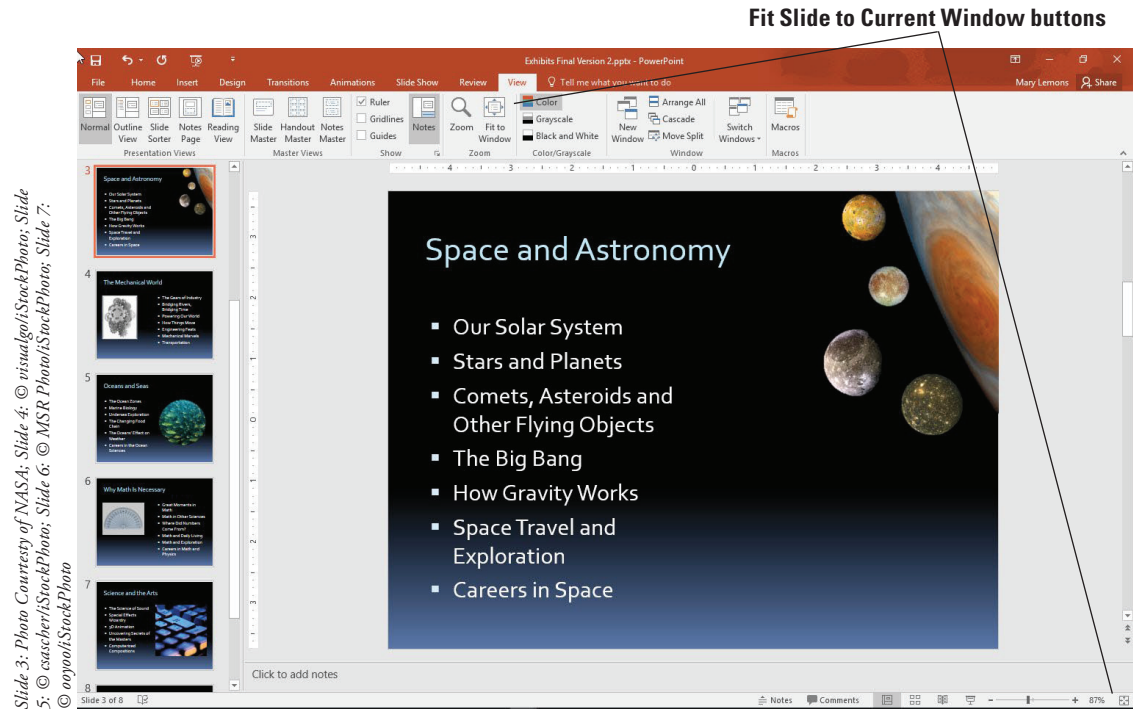


Slide 3: Photo Courtesy of NASA; Slide 4: © visualgo/StockPhoto; Slide 5: © cascher/iStockPhoto; Slide 6: © MSR Photo/iStockPhoto; Slide 7: © oyoof/iStockPhoto

8. Click **Keep Changes** in the Close group of the Background Removal tab to finalize the background removal. Now that the background is removed, the slide title is no longer partly obscured.
9. Click away from the image to deselect it.
10. Click **Fit Slide to Current Window** in the status bar at the bottom of the PowerPoint window to reset the slide's zoom (see Figure 8-15). You can also click Fit to Window on the View tab.

**Figure 8-15**

The completed slide with background removed from the photo



11. **SAVE** the presentation.

**PAUSE. LEAVE** the presentation open to use in the next exercise.

It is easy to make a mistake when marking areas for background removal. The Undo command (Ctrl+Z) easily reverses your last action and can be used when a particular marked area does not turn out as you expect. You can also use the Mark Areas to Remove command on the Background Removal tab to mark areas that have erroneously been marked for keeping.

## Compressing the Images in a Presentation

When adding pictures to a presentation, you might need to consider the ultimate size of the presentation. Pictures will add considerably to the presentation's file size. This increased file size can make a large presentation difficult to store or work with. Compressing images reduces the file size of a presentation by reducing its resolution (dots per inch). This action can make the presentation easier to store and easier to email to others; it also speeds up display if you have to work on a slow projector or computer system.

## STEP BY STEP

### Compress the Images in a Presentation

**GET READY. USE** the **Exhibits Final Version 2** presentation that is open from the previous exercise.

1. Click the **File** tab, and then make a note of the file size under the Properties heading. Then press **Esc** to return to the presentation.

2. Click any picture in the presentation to select it and then click the **Picture Tools Format** tab.
3. Click **Compress Pictures** in the Adjust group. The *Compress Pictures* dialog box opens.
4. Click the **Email (96 ppi)** option button.
5. Clear the **Apply only to this picture** check box. If you wanted to compress only the selected picture, you would leave this option checked.
6. Click **OK**.
7. **SAVE** the presentation. PowerPoint applies the compression settings you selected.
8. Repeat step 1 to recheck the presentation's file size. You should notice that the file size is considerably smaller.

**PAUSE. LEAVE** the presentation open to use in the next exercise.

## ADDING SHAPES TO SLIDES

PowerPoint offers drawing tools that enable you to create both basic and complex drawings. Use line tools and shapes to construct the drawing. You can easily add text to shapes to identify them and format the drawing using familiar fill, outline, and effects options.

### Drawing Lines

PowerPoint supplies a number of different line tools so you can draw horizontal, vertical, diagonal, or free-form lines.

To draw a line, you select the Line tool, click where you want to begin the line, hold down the mouse button, and then drag to make the shape the desired size.

You can use the Shift key to **constrain** some shapes to a specific appearance. For example, you can hold down Shift while drawing a line to constrain it to a vertical, horizontal, or 45-degree diagonal orientation.

## STEP BY STEP

### Draw Lines

**GET READY. USE** the *Exhibits Final Version 2* presentation that is open from the previous exercise.

1. **SAVE** the file as *Exhibits Final Version 3*.
2. Go to slide 8. You will create a map on this slide to show potential visitors how to get to the museum. As you work, refer to Figure 8-16 for position of objects.

**Figure 8-16**

The streets and street names have been added



3. Click the **View** tab and then click **Gridlines** to turn gridlines on.
4. Create the first street for the map as follows:
  - a. Click the **Home** tab and then in the Drawing section, click the **Shapes More arrow button** to display the gallery of drawing shapes.
  - b. Click **Line** in the Lines group. The pointer takes the shape of a crosshair.
  - c. Locate the intersection of vertical and horizontal gridlines below the letter n in John, click at the intersection, and then drag downward to create a vertical line three “blocks” long.

**Take Note** You can also access the Shapes gallery on the Drawing Tools Format tab.

5. Add the street name as follows:
  - a. Click **Text Box** on the Insert tab, click anywhere on the slide, and then type the text **Matthews Pike**.
  - b. Click the outer border of the text box to select all content within the text box and then change the font size to **16**.
  - c. On the Drawing Tools Format tab, click **Rotate**, and then click **Rotate Left 90°**.
  - d. Move the rotated street name just to the left of the vertical line (see Figure 8-16).
6. Select the **Line** tool again, hold down **Shift**, and then draw the diagonal line shown in Figure 8-16.

**Take Note** Holding down the Shift key constrains the line to be exactly 45 degrees or exactly vertical or horizontal as you drag.

7. Select the **Line** tool again and draw the horizontal line shown in Figure 8-16.
8. Add the street name for the diagonal street as follows:
  - a. Insert a text box anywhere on the slide and then type **Magnolia Parkway**.
  - b. Change the font size to **16**.
  - c. With the text box still selected, click **Arrange**, point to **Rotate**, and then click **More Rotation Options**. The Format Shape task pane opens.
  - d. Type **-45** in the Rotation box and then close the task pane.
  - e. Move the rotated text box to the right of the diagonal line (see Figure 8-16).
9. On the View tab, clear the **Gridlines** check box to turn off gridlines again.
10. **SAVE** the presentation.

**PAUSE. LEAVE** the presentation open to use in the next exercise.

Selected shapes have selection handles (also called sizing handles) that you can use to adjust the size of the object. Some complex shapes have yellow diamond adjustment handles that allow you to modify the shape. Drag a selected shape anywhere on a slide to reposition it.

## Drawing and Resizing Shapes

PowerPoint’s many shape tools allow you to create multisided, elliptical, and even freeform shapes. The Shapes gallery contains well over 100 different shapes. Just select a shape and then drag on the slide to draw it there, or click on the slide to create a shape with a default size and orientation.

When creating shapes, you can simply “eyeball” the size, use the rulers or gridlines to help you size, or use the Height and Width settings in the Size group on the Drawing Tools Format tab to scale the objects. Setting precise measurements can help you maintain the same proportions when creating objects of different shapes; for example, when creating circles and triangles that have to be the same height and width. You can also constrain a shape while drawing it by holding down the Shift key to maintain its aspect ratio. In the following exercise, you will draw some basic shapes.

**STEP BY STEP****Draw and Resize Shapes**

**GET READY.** USE the *Exhibits Final Version 3* presentation that is open from the previous exercise. As you work, refer to Figure 8-17 to help you position and size objects.

1. On the Home tab Drawing section, click **Shapes** and then click the **Rectangle** tool. Hold down the mouse button and drag to create the taller rectangle above the horizontal line (see Figure 8-17).

**Figure 8-17**

Basic shapes have been added to the map



2. With the shape still selected, click the **Drawing Tools Format** tab. Note the measurements in the Size group. If necessary, adjust the size so the shape is 1 inch high by 0.9 inches wide.
3. Select the **Rectangle** tool again and use it to create the wider rectangle shown in Figure 8-17. This shape should be 0.7 inch high by 1.2 inches wide.
4. Select the **Oval** tool, hold down **Shift**, and then draw the **circle** shown in Figure 8-17. This shape should be 1 inch high and wide.
5. Click the **Rectangle** tool and create a rectangle 0.7 inches high by 1 inch wide near the lower end of the diagonal street.
6. Click the shape's rotation handle and drag to the right to rotate the shape so its bottom side is parallel to the diagonal road (see in Figure 8-17).
7. Click the **Freeform** tool in the Lines section in the Shapes gallery. Near the bottom of the slide (so you can easily see the line you are drawing), draw an irregular oval shape to represent a lake. The shape should be about 1.4 inches high and 1.5 inches wide.

**Troubleshooting**

When using the Freeform tool, if you return to the exact point at which you started drawing, PowerPoint will automatically close and fill the shape with color. If your shape does not fill, double-click to end it, click Undo, and then start again.

8. Drag the lake shape to the right of the diagonal line (see Figure 8-17).
9. **SAVE** the presentation.

**PAUSE.** LEAVE the presentation open to use in the next exercise.

**Adding Text to Shapes**

You can often improve a drawing by labeling the shapes to state what they represent. In PowerPoint, you can add text by simply clicking and typing the text. When you add text to a shape, the shape takes the function of a text box. PowerPoint automatically wraps text in the shape as in a text box; if the shape is not large enough to display the text, words will break up or the text will

extend above and below the shape. You can solve this problem by resizing the shape or changing the text's size. You can use any text formatting options you like when adding text to shapes, just as when inserting text into a placeholder or text box. To select text in a shape to edit it, drag over it with the I-beam pointer. In the following exercise, you will add some text to shapes.

## STEP BY STEP

### Add Text to Shapes

**GET READY.** USE the *Exhibits Final Version 3* presentation that is open from the previous exercise.

1. While still on slide 8, click in the taller rectangle above the horizontal street and then type **West Bank Center**.
2. Click in the wide rectangle shape and then type **Baldwin Museum**.
3. Click in the circle shape and then type **Miller Arena**.
4. Click in the rotated rectangle and then type **Holmes College**. Note that the text is rotated as well.
5. Click in the freeform lake object and then type **Magnolia Lake**.
6. Adjust the widths of any of the shapes as needed so that the text fits in them.
7. Drag over the Baldwin Museum text to select it and then click the **Bold** button.
8. **SAVE** the presentation.

**PAUSE.** LEAVE the presentation open to use in the next exercise.

#### Take Note

To adjust the way text appears in a shape, right-click the shape, click **Format Shape**, click **Text Options**, click the **Textbox** icon, and then access the **Text Box** settings in the **Format Shape** task pane. For example, you can align the text vertically and horizontally within the shape.

### Formatting Shapes

You can apply many of the same formatting effects to drawn lines and shapes that you apply to other objects in PowerPoint. For example, you can change the fill color or texture, add borders, and use effects such as shadows and bevels. You can also apply Shape Styles to save time by formatting a shape using a preset. In the following exercise, you will format shapes by changing their borders, fills, and effects and by applying Shape Styles.

## STEP BY STEP

### Format Shapes

**GET READY.** USE the *Exhibits Final Version 3* presentation that is open from the previous exercise.

1. On the drawing on slide 8, format the *Matthews Pike* line and label as follows:
  - a. Click the vertical line that represents Matthews Pike.
  - b. On the Drawing Tools Format tab, click the **Shape Outline** button and then click the **Gold, Accent 3** theme color.

#### Take Note

You can use the **Shape Outline** button in the **Drawing** group on the **Home** tab or in the **Shape Styles** group on the **Drawing Tools Format** tab.

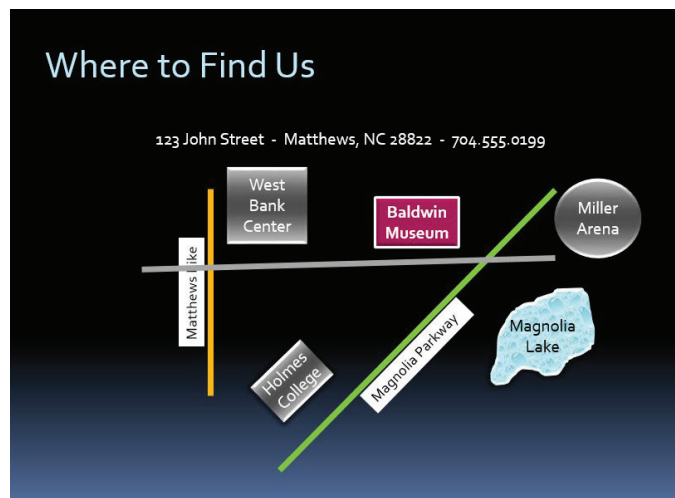
- c. Click the **Shape Outline** button again, point to **Weight**, and then click **6 pt**.
- d. Click the outside border of the Matthews Pike text box to select all content in the text box and then on the **Home** tab, click **Font Color** and click **Black, Background 1**.
- e. With the text box still selected, click the **Shape Fill** button and then click **White, Text 1**.
- f. Drag the text box to the left slightly if needed so that it does not overlap the vertical line.



2. Click the horizontal line and repeat steps 1a-1c to format the line with the **White, Text 1, Darker 35%** theme color and **6 pt** weight. (Do not worry if the street overlaps over the *Matthews Pike* text box. You will learn to fix this problem in a later exercise.)
3. Click the diagonal Magnolia Parkway line, click the **Shape Outline** button, point to **Weight**, and then click **6 pt**.
4. Format the **Magnolia Parkway** text box following steps 1d and 1e to change text to black and the fill to white. Move the text box to the right so it doesn't overlap the line if necessary.
5. Format the other shapes as follows:
  - a. Click the West Bank Center shape above the horizontal street, hold down **Shift**, and then click each additional filled shape until all are selected. (Do *not* click any of the lines or the street name text boxes.)
  - b. Click **Shape Outline** on the Drawing Tools Format tab and then click **No Outline**. You have removed outlines from the selected shapes.
  - c. Click the **More** button in the Shape Styles group and then click the **Intense Effect - Black, Dark 1** effect (the first style in the last row).
  - d. Click away from the shapes to deselect them all and then click the **Baldwin Museum** shape to select it.
  - e. On the Drawing Tools Format tab, click **Shape Fill** and then click **Pink, Accent 2, Darker 25%**.
  - f. Click **Shape Effects**, point to **Preset**, and then click **Preset 1**.
6. Apply a texture to the Magnolia Lake shape by doing the following:
  - a. Click the Magnolia Lake shape.
  - b. On the Drawing Tools Format tab, click **Shape Fill**, point to **Texture**, and then click the **Water Droplets** texture.
  - c. Click the **Text Fill** button's arrow to open its palette and then click **Black, Background 1**.
7. Click away from the Magnolia Lake shape to deselect it. Your map should look similar to Figure 8-18.

**Figure 8-18**

The map has been formatted



8. **SAVE** the presentation.

**PAUSE. LEAVE** the presentation open to use in the next exercise.

## Creating a Custom Shape

One of the most welcome features in Office 2013 was the ability to combine multiple drawn lines and shapes together into more complex shapes. This feature is still available in PowerPoint 2016 and it makes the drawing tools in Office applications much more useful and flexible. You can overlap two or more shapes and then issue a command that combines them. There are several different commands for creating custom shapes, each of which produces a different combination effect. In this exercise you will combine several shapes to create a custom shape for use in a logo.

### STEP BY STEP

#### Create a Custom Shape

**GET READY.** USE the *Exhibits Final Version 3* presentation that is open from the previous exercise.

1. Go to slide 1. On the **Insert** tab, click **Shapes** and then click the **8-Point Star** in the Stars and Banners section of the shape list.
2. Hold down the **Shift** key and drag on the slide, above the text, to draw a star that is approximately 2" in both height and width.
3. On the **Insert** tab, click **Shapes** and then click the crescent moon shape. Drag to draw it over the 8-point star (see Figure 8-19).

**Figure 8-19**

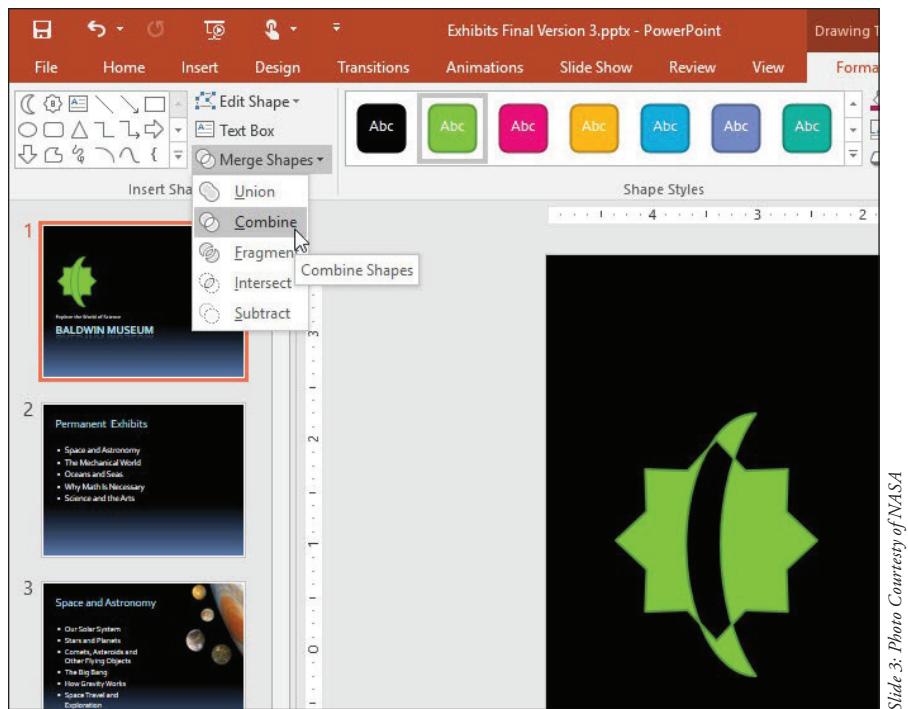
Draw the crescent moon over the 8-point star



4. Click the 8-point star, hold down **Shift**, and then click the crescent moon shape. Both are selected.
5. On the Drawing Tools Format tab, click the **Merge Shapes** button. A menu opens.
6. Point to each of the menu options to see that effect previewed on the shape.
7. Click **Combine**. The two shapes are combined such that the area where they overlapped is removed (see Figure 8-20).

**Figure 8-20**

The shapes have been combined using the Combine command



Slide 3: Photo Courtesy of NASA

8. Select the shape. On the Drawing Tools Format tab, click **Shape Fill** and then click **Light Blue, Text 2, Darker 90%**.
9. Click **Shape Outline** and click **No Outline**.
10. **SAVE** the presentation.

**PAUSE. LEAVE** the presentation open to use in the next exercise.

As you saw in step 6, there are many options for merging shapes. These options are summarized in Table 8-1.

**Table 8-1**

Options for Merging Shapes

| Operation | Description  | Example |
|-----------|--|---------|
| Union     | Combines the areas of both shapes and takes on the formatting of the top shape                               |         |
| Combine   | Includes areas where one of the two shapes appear, but excludes areas where both shapes overlap              |         |
| Fragment  | Combines the areas of both shapes, but divides the shapes into multiple pieces where overlap begins and ends |         |
| Intersect | Includes only the areas where the top shape overlaps the bottom shape  |         |
| Subtract  | Includes only the areas where the top shape did not overlap the bottom shape                                 |         |

## ORDERING AND GROUPING SHAPES

It is not uncommon to have to adjust the layout of objects you have added to slides. You may find that objects need to be reordered so they do not obscure other objects, or need to be aligned on the slide to present a neater appearance. You can also group objects together to make it easy to move or resize them all at once.

### Setting Object Order

Objects stack up on a slide in the **order** in which you created them, from bottom to top. If you insert a slide title on a slide, it will be the object at the bottom of the stack. The last item you create or add to the slide will be at the top of the stack. You can envision each object as an invisible layer in the stack. You can adjust the order in which objects stack on the slide by using Arrange commands or the Selection pane.

Some objects can obscure other objects because of the order in which you add them to the slide. You use the Order options to reposition objects in the stack:

- **Bring to Front:** the selected object to the front or top of the stack, on top of all other objects.
- **Bring Forward:** an object one layer toward the front or top of the stack. Use this option if you need to position an object above some objects but below others.
- **Send to Back:** an object all the way to the back or bottom of the stack, below all other objects.
- **Send Backward:** an object one layer toward the back or bottom of the stack.

In this exercise, you will arrange some objects by changing their stacking order.

### STEP BY STEP

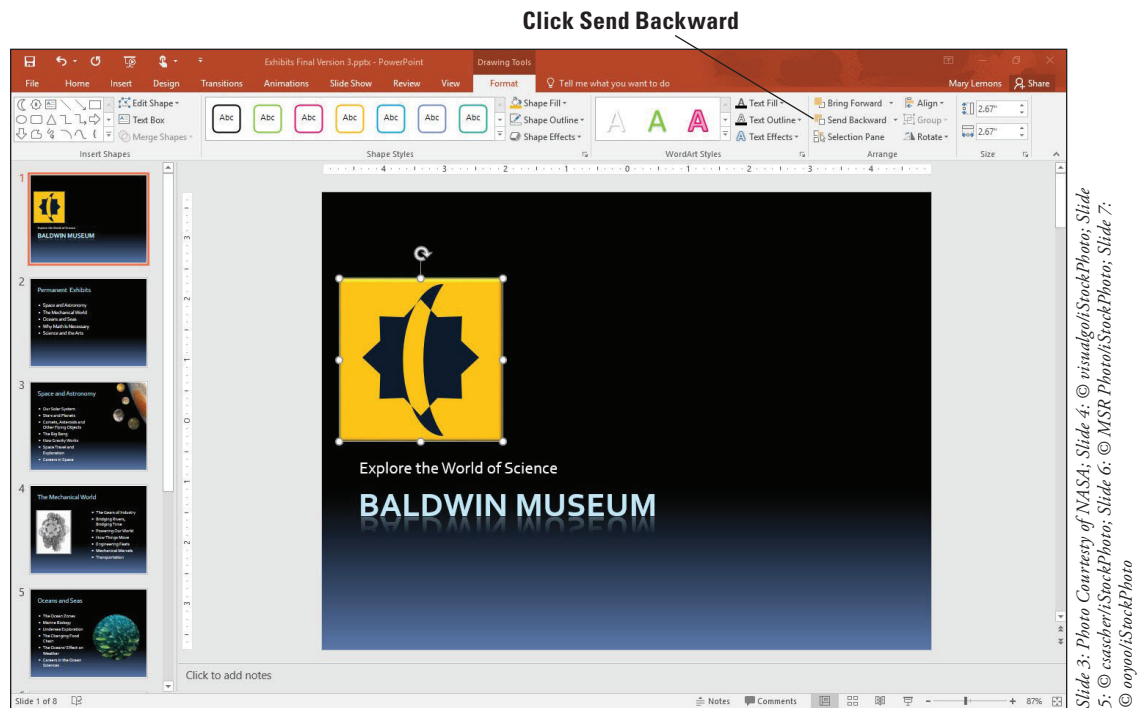
#### Set Object Order

**GET READY.** USE the *Exhibits Final Version 3* presentation that is open from the previous exercise.

1. Go to slide 1 and draw a new rectangle that covers the logo.
  - a. On the Home tab, click **Shapes** and then click **Rectangle**.
  - b. Drag to draw a square over the existing logo. Hold down **Shift** to constrain the rectangle to make it a square.
  - c. On the Drawing Tools Format tab, adjust the **Height** and **Width** of the rectangle so that its height and width are equal and just large enough to cover the logo. (You can also select the square and use handles to resize as necessary. Use the red guidelines to center the square over the shape.)
  - d. Click **Shape Fill** and then click **Gold, Accent 3**.
  - e. Click **Shape Effects**, point to **Bevel**, and then click **Circle**.
2. On the Drawing Tools Format tab, click **Send Backward** (see Figure 8-21). The rectangle moves behind the star/moon shapes.
3. Select the rectangle and the star/moon shapes and then align them with the left edges of the text. Look for the red guidelines as you move the shapes.
4. Go to slide 8. On the Home tab, click the **Arrange** button and then click **Selection Pane**. The Selection task pane opens, showing the current slide content in the order in which it was created, from bottom to top. This order is determined by the order in which the objects were added to the slide.

**Figure 8-21**

Move the rectangle behind the logo graphic

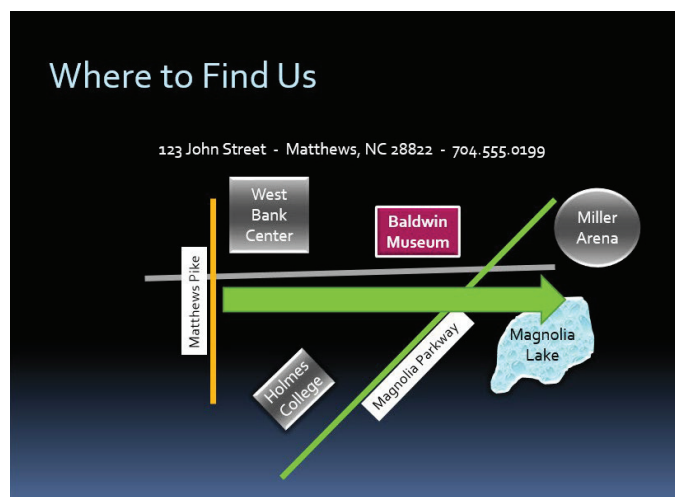


**Take Note** The Arrange tools are available on both the Home tab and the Picture Tools Format tab.

5. Click the gold Matthews Pike street line in the map to see how it is identified in the Selection pane—it will have a name such as *Straight Connector 4* (or some other number). Then click the horizontal street line to see its name.
6. Click the Matthews Pike street line again to select it. If that line is not already on top of the horizontal street line, click the **Bring Forward** arrow (the up arrow button) in the Selection task pane until it is.
7. Click the Matthews Pike text box and then click the **Bring Forward** arrow until the text box is on top of the horizontal gray line in the map if it was not already so.
8. Click the Magnolia Parkway street line and then click the **Bring Forward** arrow until the diagonal street is above the horizontal street in the map if it is not already so. Then close the task pane.
9. You have one more shape to add to the map: an arrow that labels the horizontal street as John Street and indicates that the street is one way. Click **Shapes** on the Home tab, click **Right Arrow** in the Block Arrows group, and then draw a block arrow (see Figure 8-22). The arrow should be about 0.7 inches high and 5 inches wide.

**Figure 8-22**

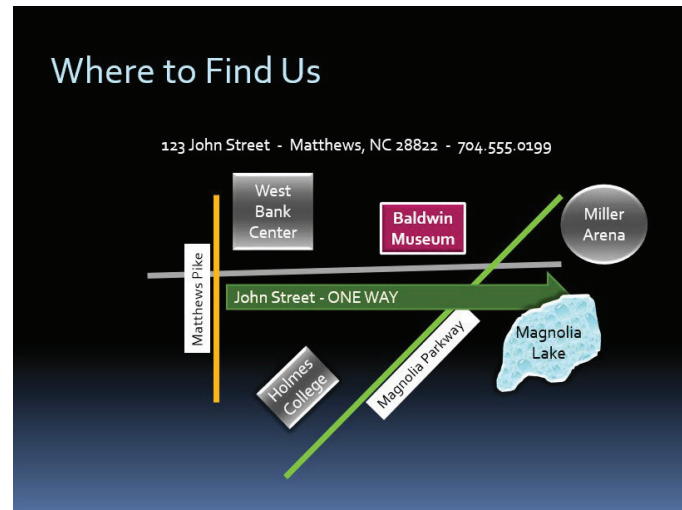
Draw a block arrow



10. In the arrow, key **John Street - ONE WAY**.
11. On the Home tab, click **Align Left** to make the text align on the left side of the arrow.
12. Using the Shape Fill button, apply the **Green, Accent 1, Darker 50%** color to the arrow.
13. Right-click a blank area of the block arrow (to the right of the words *ONE WAY*, for example), point to **Send to Back**, and then click **Send to Back**. The arrow moves behind all lines and shapes.
14. Click the **Bring Forward** button on the Drawing Tools Format tab until the arrow is in front of the diagonal line representing Magnolia Parkway but the behind Magnolia Lake shape. Figure 8-23 shows the arrow on the map.

**Figure 8-23**

The arrow on the map



15. **SAVE** the presentation.

**PAUSE. LEAVE** the presentation open to use in the next exercise.

**Take Note** Arrange options also display on other Format tabs, such as the Picture Tools Format and SmartArt Tools Format tabs.

## Aligning Objects with Each Other

Your drawings will present a more pleasing appearance if similar items are aligned with each other or to the slide. Use PowerPoint's alignment options to position objects neatly.

PowerPoint's alignment options allow you to line up objects on a slide both horizontally and vertically:

- Use Align Left, Align Center, or Align Right to align objects horizontally so that their left edges, vertical centers, or right edges are lined up with each other.
- Use Align Top, Align Middle, or Align Bottom to align objects vertically so that their top edges, horizontal centers, or bottom edges are lined up with each other.

You can also use distribute options to space objects evenly, either vertically or horizontally. This feature can be a great time-saver when you have a number of objects that you want to spread out evenly across a slide.

PowerPoint allows you to align (or distribute) objects either to each other or to the slide. If you select Align Selected Objects on the Align menu, PowerPoint will adjust only the selected objects. If you select Align to Slide, PowerPoint will rearrange objects using the entire slide area.



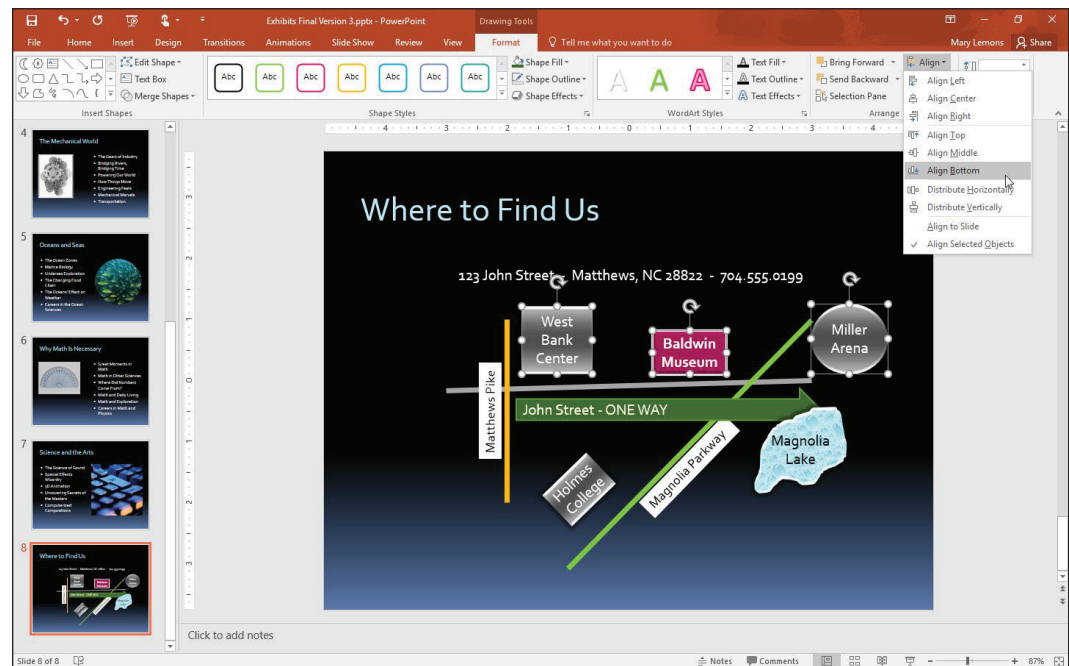
**STEP BY STEP****Align Objects with Each Other**

**GET READY.** USE the *Exhibits Final Version 3* presentation that is open from the previous exercise.

1. On slide 8, click the West Bank Center shape, hold down **Shift**, and then click the Baldwin Museum shape and the Miller Arena shape. These landmarks are all different distances from the John Street horizontal line but can be aligned for a neater appearance.
2. Click the **Drawing Tools Format** tab if necessary and in the Arrange group, click **Align Objects** and then click **Align Bottom** (see Figure 8-24). The shapes are now aligned at the bottom so they are the same distance from the horizontal line. (If any of the objects is touching the line, press the up arrow with all three items still selected.)

**Figure 8-24**

Align the selected shapes at their bottoms



3. **SAVE** the presentation.

**PAUSE.** LEAVE the presentation open to use in the next exercise.

**Grouping Objects**

When a drawing consists of a number of objects, it can be tedious to move each one if you need to reposition the drawing. Grouping objects allows you to work with a number of objects as one unit. In the following exercise, you will group objects into a single unit.

**STEP BY STEP****Group Objects**

**GET READY.** USE the *Exhibits Final Version 3* presentation that is open from the previous exercise.

1. While still on slide 8, click above and to the left of the map (but below the line of text) and then hold down the left mouse button and drag downward and to the right until you have included the entire map in the selected area. This action is called **lassoing** the shapes.
2. Release the mouse button. All the shapes within the selection lasso are selected.

Slide 3: Photo Courtesy of NASA; Slide 4: © visualgo/Stock Photo; Slide 5: © cascheris/Stock Photo; Slide 6: © MSR Photo/Stock Photo; Slide 7: © wjw/Stock Photo

3. Click the **Drawing Tools Format** tab. Click the **Group Objects** button and then click **Group**. All objects are surrounded by a single selection border.

**SAVE** the presentation and then **CLOSE** the file. **EXIT** PowerPoint.

**Take Note** It is easy to miss an object when selecting parts of a complex drawing to create a group. To check that you have all objects selected, move the group. You will easily see if one or more objects do not move with the group. Undo the move, click the group, click any other objects that need to belong to the group, and issue the Group command again.

## Knowledge Assessment

### Matching

Match the term in Column 1 to its description in Column 2.

| Column 1        | Column 2  |
|-----------------|---|
| 1. Order        | a. The relationship of width to height for a picture                            |
| 2. Constrain    | b. Sizing to a percentage of the original size                                  |
| 3. Aspect ratio | c. To force a drawing tool to create a shape such as a perfect square or circle |
| 4. Scaling      | d. To move one object behind or in front of another                             |
| 5. Crop         | e. To remove portions of a picture you do not need                              |

### True/False

Circle **T** if the statement is true or **F** if the statement is false.

- T F** 1. When adding clip art to a slide, you are limited to the pictures stored on your computer.
- T F** 2. The Merge Shapes feature merges two or more overlapping drawn shapes.
- T F** 3. To add text to a shape, select the shape and begin typing.
- T F** 4. If you want an object to be at the bottom of a stack of objects, you would use Send to Back.
- T F** 5. You can format a single object in a group without having to ungroup all objects.

## Projects

### Project 8-1: Inserting and Resizing a Picture

You are a recruiter for Woodgrove Bank, and you have prepared a presentation to be delivered at a local job fair. You need to locate a picture to illustrate one of the presentation's slides. You can use clip art files to find a suitable picture.

**GET READY. LAUNCH** PowerPoint if it is not already running.

1. **OPEN** the *Job Fair* presentation from the data files for this lesson and then **SAVE** it as *Job Fair Final*.
2. Go to **slide 5** and click the **Online Pictures** icon in the right-hand content placeholder.
3. In the Bing Image Search box, type **business** as the keyword and then press **Enter**.
4. Review the results to find a photograph of a professionally dressed business person. Click the picture and then click **Insert** to insert it into the placeholder.
5. Use the Size options on the Picture Tools Format tab to resize the picture to be 3 inches wide.
6. Click the **View** tab and then click **Gridlines**. Use the gridlines to align the top of the picture with the top of the text in the left-hand placeholder.
7. Click the picture to select it, click **Picture Effects** on the Picture Tools Format tab, point to **Shadow**, and then click the **Offset Right** shadow effect under the Outer heading.
8. Hide the gridlines.
9. **SAVE** the presentation.

**PAUSE. LEAVE** the presentation open for use in the next project.

---

### Project 8-2: Formatting a Picture

You have decided you need another picture in the Job Fair Final presentation. You have a picture file you think will work.

1. Go to slide 2 of *Job Fair Final* and click the **Pictures** icon in the right-hand content placeholder.
2. Navigate to the data files for this lesson, locate *Building.jpg*, click the file, and then click **Insert**.
3. Right-click the picture and click **Size and Position**. In the Format Picture task pane, scale the picture to **90%** of its current height and width.
4. Press **Alt+F9** to display drawing guides. Click the slide title placeholder to display its border and then drag the vertical guide to the right to align with the right border of the slide title text box.
5. Drag the horizontal guide up to align with the top of the capital letter E in the first bulleted item in the left-hand guide.
6. Reposition the picture so that its upper-right corner snaps to the intersection of the two guides. Press **Alt+F9** to hide the guides.
7. Click the **More** button in the Picture Styles group on the Picture Tools Format tab and then click the **Drop Shadow Rectangle Quick Style**.
8. Right-click the picture, click **Format Picture**, click the **Picture** icon, and then under Picture Corrections, change Brightness to **5%** and Contrast to **10%**.
9. In the Adjust group on the Picture Tools Format tab, click **Compress Pictures** and then click **E-mail (96 ppi)**. Click **OK**.
10. **SAVE** the presentation and then **CLOSE** the file.

**EXIT** PowerPoint.

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