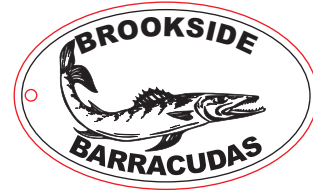


Text On Curve



A. Page Size.

Step 1. Click File Menu > New (Ctrl-N).

Step 2. Set page size in the Property bar:

Width  to 3.2 Fig. 1

Height  to 2

Step 3. Click **Zoom to Page**  in Zoom toolbar (Shift-F4).

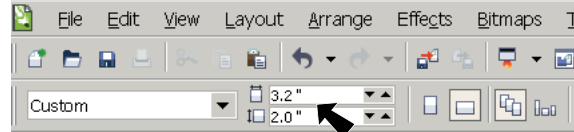


Fig. 1

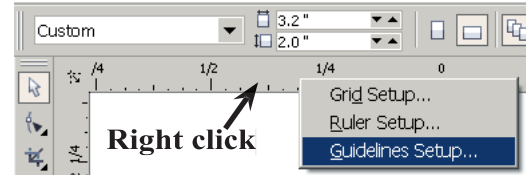


Fig. 2

B. Guidelines Setup.

Step 1. **Right click** a ruler and click **Guidelines Setup** from the menu, Fig. 2.

Step 2. Click **Horizontal** in the list of categories, Fig. 3.

Step 3. Key-in **.02** in the box and click **Add** button.

Step 4. Key-in **1.98** in the box and click **Add** button.

Step 5. Check **Show Guidelines** and **Snap to Guidelines** check boxes, Fig. 3.

Step 6. Click **Vertical** in the list of categories, Fig. 4.

Step 7. Key-in **.02** in the box and click **Add** button.

Step 8. Key-in **3.18** in the box and click **Add** button and click OK.

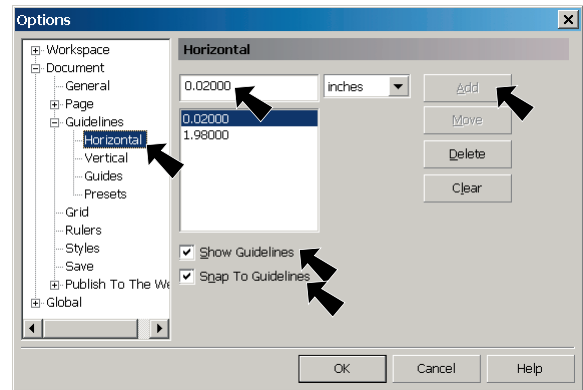


Fig. 3

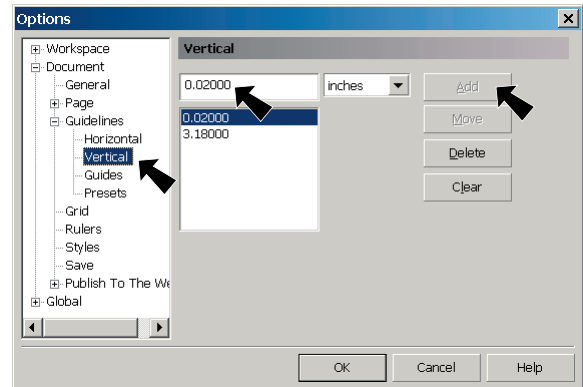


Fig. 4

C. Save as "text on curve".


Step 1. Click File Menu > Save As.

Step 2. Key-in **text on curve** for the filename and press ENTER.




Fig. 5

D. Draw Ellipse.

Step 1. Click the **Ellipse Tool**  in the toolbar.

Step 2. Start the ellipse from the center of the page. **Hold down Shift key** on the keyboard as you drag outwards from the center of page, **Fig. 6**.

Step 3. Click the **Arrow Tool**  in the toolbar. Select the ellipse and drag the handles of the ellipse to adjust the ellipse to snap to the guidelines, **Fig. 6**.

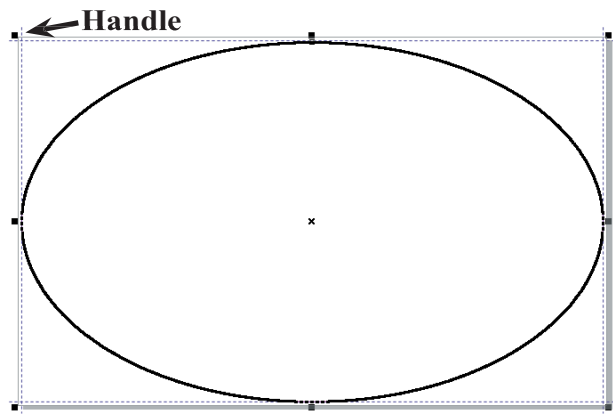


Fig. 6

E. Duplicate and Scale Ellipse.

Step 1. Click Arrange Menu > Transformations > Scale (Alt-F9).

Step 2. Select the ellipse if it is not selected.

Step 3. In the Transformation docker set:
Horizontal scale to 95

Vertical scale to 92

Uncheck Proportional

Copies: 2

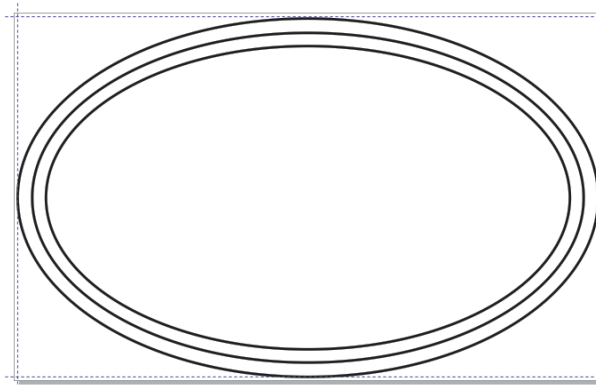


Fig. 8

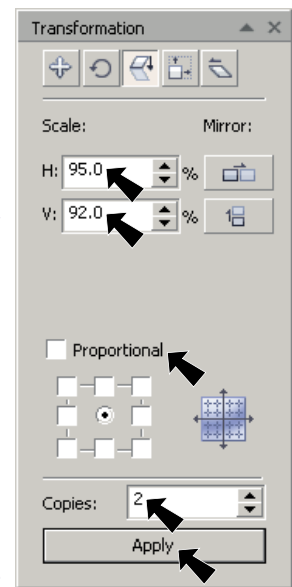


Fig. 7

Click **Apply** button, **Fig. 7** and **Fig. 8**.

Step 4. Close the Transformation docker, click the  in the title bar.

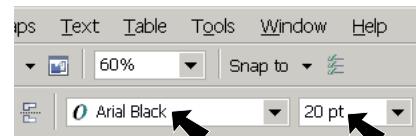


Fig. 9

F. Add BROOKSIDE Text.

Step 1. Click the **Text Tool**  in the toolbar and click in the drawing area.

Step 2. In the Property bar set:
Font to Arial Black, Fig. 9.
Size to 20

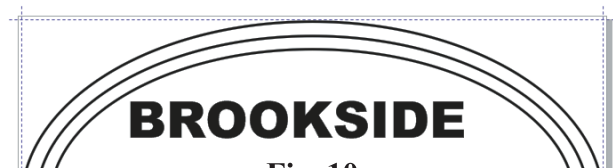


Fig. 10

Step 3. Lock the caps and key-in **BROOKSIDE** from the keyboard, **Fig. 10**.

Step 4. Click the **Arrow Tool**  in the toolbar.

Step 5. Select both the **BROOKSIDE** text object and the smallest ellipse. Use Shift click, first select the **BROOKSIDE** text object and **then** hold down the Shift key and select smallest ellipse.

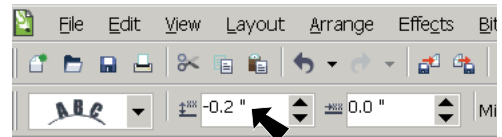
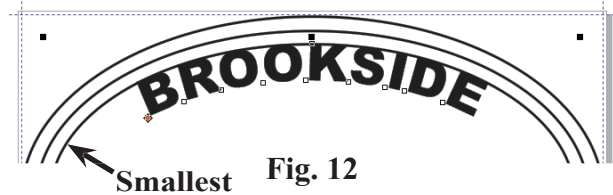


Fig. 11

Step 6. Click Text Menu > Fit Text to Path.



Step 7. In the Property bar set:

Distance from Path  to **-0.2**, Fig. 11 and Fig. 12.

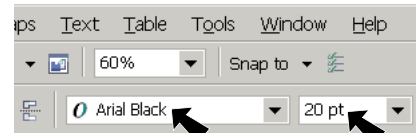


Fig. 13

Step 8. Click Arrange Menu > Break Text Apart (Ctrl-K).

Step 9. Save. Use Ctrl-S.

G. Add BARRACUDAS Text.

Step 1. Click the **Text Tool**  in the toolbar and click in the drawing area.



Fig. 14

Step 2. In the Property bar set:
Font to Arial Black
Size to 20, Fig. 13.

Step 3. Lock the caps and key-in **BARRACUDAS** from the keyboard, Fig. 14.

Step 4. Click Text Menu > Fit Text to Path.



Fig. 15

Step 5. Move the cursor to the bottom center of the smallest ellipse. The text should set upside down on the smallest ellipse and a red line will highlight the middle of the ellipse. Click when the red line indicates you are at the middle point, Fig. 15.

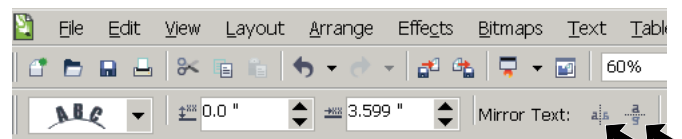


Fig. 16

Step 6. In the Property bar click:

Mirror Horizontally , Fig. 16

Mirror Vertically 

Step 7. Click Arrange Menu > Break Text Apart (Ctrl-K).



Fig. 17

Step 8. Save. Use Ctrl-S.

H. Delete Small Ellipse.

Step 1. Click the **smallest ellipse**.

If **Ellipse on Layer 1** is displayed in the Status bar at the bottom of the screen, **Fig. 18** to Step 5.

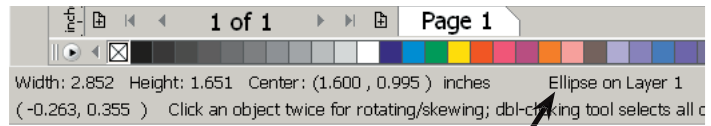


Fig. 18

Ellipse

If **Ellipse is not displayed** continue with Step 2.

Step 2. Break ellipse from path, use Arrange Menu > Break Text Apart (**Ctrl-K**).

Step 3. Click any unused space in the drawing to deselect text and path.

Step 4. Click the **smallest ellipse**.



Fig. 19

Step 5. Use the Delete key to **delete smallest ellipse**, **Fig.**

I. Save Cuda from Web Site.

Step 1. **Open FireFox** browser. Use Start Menu > All Programs > Mozilla FireFox.

First time starting FireFox, select:

Don't import anything and **Next**, **Fig. 20**.

Always perform this check when starting Firefox and **Yes**, **Fig. 21**.

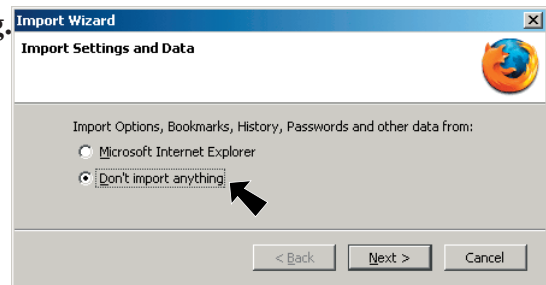


Fig. 20

Step 2. Find Tech Ed web site by googling **cuda**country.

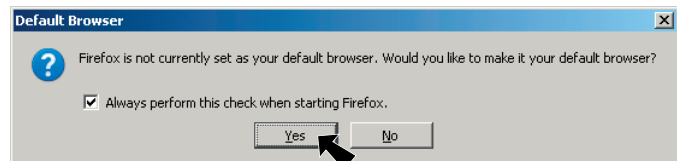


Fig. 21

Step 3. At Brookside Tech Ed web site click **Home** button.

Step 4. Click **Links** button.

Step 5. Scroll down and click **Brookside Barracuda Graphics** under Student Projects.

Step 6. **Right click** the first barracuda graphic and click **Save Link As**, **Fig. 22**.

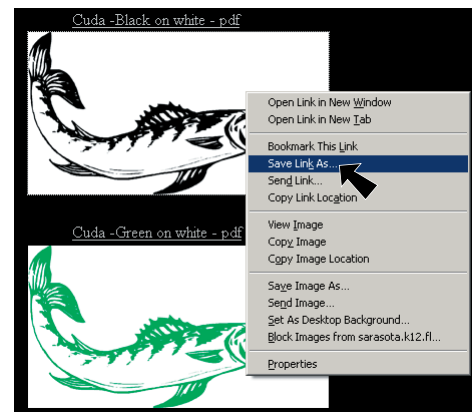


Fig. 22

Step 7. Click **My Documents** button and Save to save the cuda1 file as pdf file, **Fig. 23**.

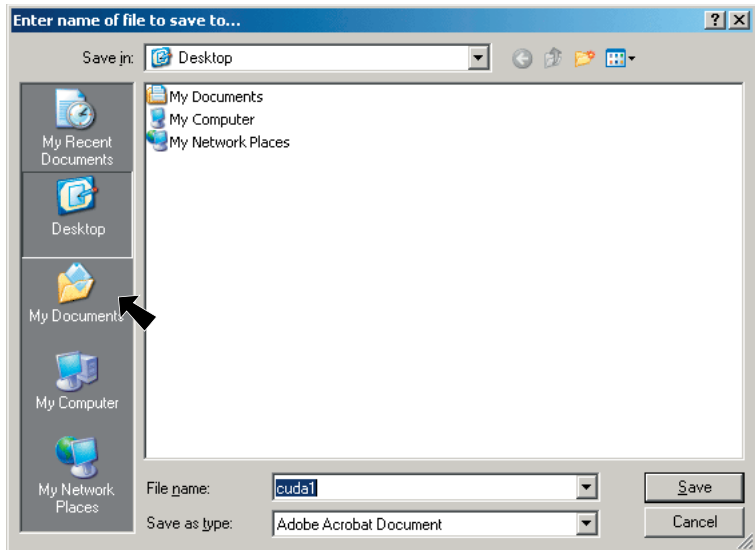


Fig. 23

J. Import Cuda.

Step 1. Switch back to your CorelDRAW file (**Alt-Tab**).

Step 2. Click File Menu > Import.

Step 3. Select **cuda1** file and click Import.

Step 4. Click Text in the Import PDF dialog box and click OK, **Fig. 24**.

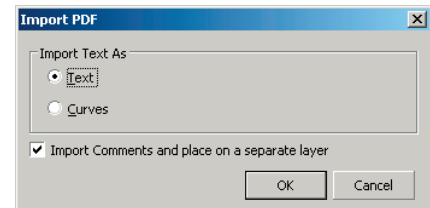


Fig. 24

Step 5. Click in the drawing to place the cuda graphic.

Step 6. Use **P** key on keyboard to center cuda on page.

Step 7. Use **F4** to zoom out.

Step 8. **Shift drag** a **corner handle** to scale the cuda down to fit, **Fig. 25**.

Only use corner handle to adjust size



Fig. 25

K. Set Color and Line Width.


Step 1. Click the outer ellipse to select it, **Fig. 27**.

Step 2. **Right click** red in the **Color** palette, **Fig. 26** to change the outline color of outer ellipse to red. Red is the cut color on laser.



Fig. 26

Step 3. In the Property bar, set the Outline width

 to hairline, **Fig. 27** and **Fig. 28**. Hairline is the cut line width on laser.

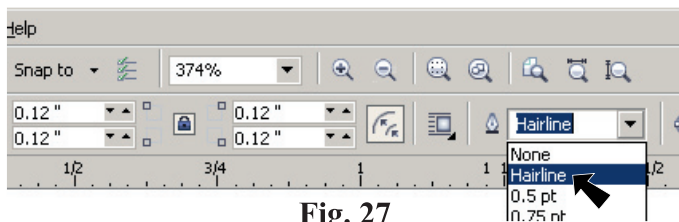


Fig. 27

Set outline: red hairline

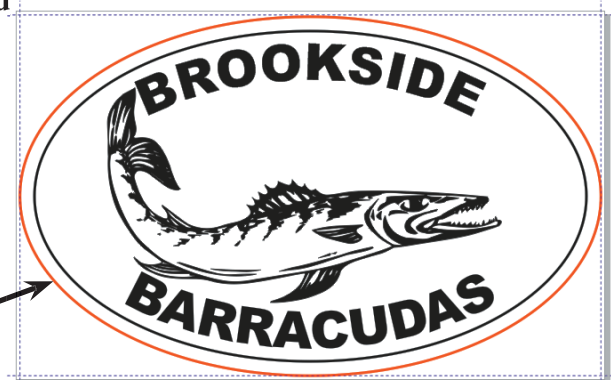


Fig. 28

L. Circle for Hole.

Step 1. Click the **Ellipse Tool**  in the toolbar.

Step 2. **Hold down the Ctrl key** on keyboard and draw a small circle, **Fig. 29**.

Step 3. Click the **Arrow Tool**  in the toolbar.

Step 4. In the Property bar set:

Object Width  to .12

Object Height  to .12, **Fig. 30**.

Step 5. Use **P** key on keyboard to center circle on page.

Step 6. Use the left arrow key on the keyboard to nudge the circle over to the black ellipse, **Fig. 31**.

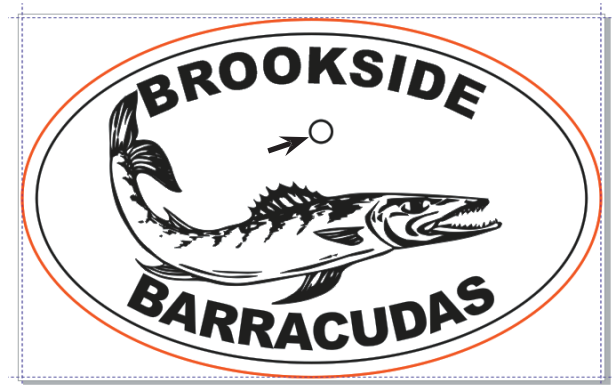


Fig. 29

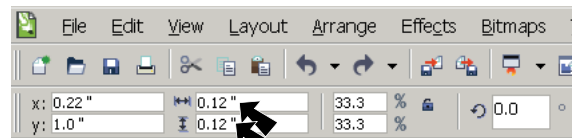


Fig. 30

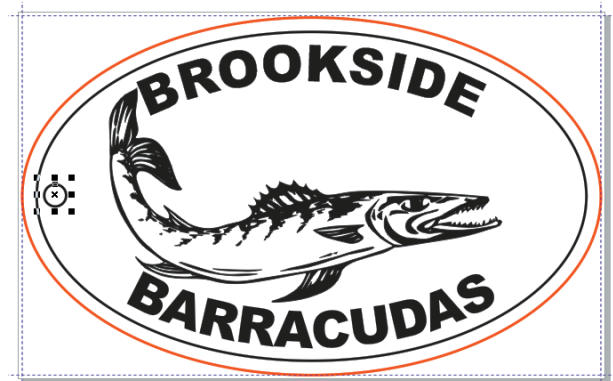


Fig. 31

K. Set Color and Line Width.

Step 1. If necessary, click the circle to select it, **Fig. 31**.

Step 2. **Right click red** in the **Color palette**, **Fig. 32** to change the outline color of outer ellipse to red. Red is the cut color on laser.

Step 3. In the Property bar, set the Outline width  to hairline, **Fig. 33** and **Fig. 34**. Hairline is the cut line width on laser.



Fig. 32

Step 4. Save. Use **Ctrl-S**.

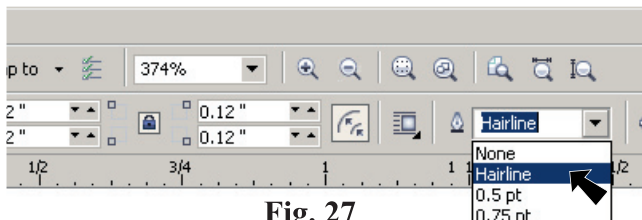


Fig. 27

Set outline:
red
hairline



Fig. 34