



LEARN & CREATE

with Baby Lock

FontWorks - Outline Fonts

The Outline fonts built into FontWorks have a red-letter O at the left of the Font name. When an Outline font is selected, you will be able to open the Style window in the Properties box and select different styles. Knowing that those other styles are available gives you a whole new level of creativity with your lettering.

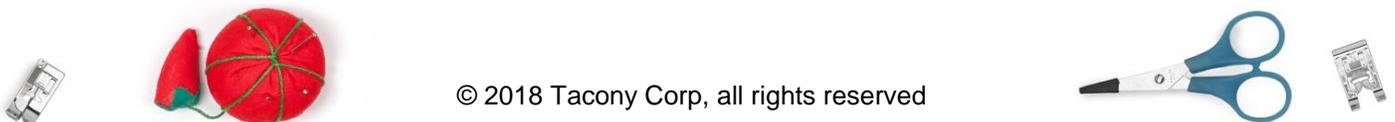
Table of Contents

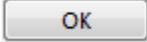
Embroidering on a Towel	1
Use a Recipe	3
Default with Run Lettering	4
Spiral Lettering.....	5
Trapunto Lettering.....	6
Satin Lettering.....	7
Create Appliqué Lettering	9
Motif Applique.....	10
Blanket Stitch Applique.....	11
Satin Stitch Applique.....	12
Sewing Applique Letters	13
Copy & Paste Text	16
Add a Satin Outline.....	17
Add a Run Stitch Outline.....	18
Copy & Paste to a New Page	19
United Outlines	19
Designs - Children Font	21
Children font punctuation:.....	23

Embroidering on a Towel

Default with Run can be very useful when stitching on fabrics with nap.

1. Left click **New**  on the Quick Access tool bar.
2. Left click **Draw 3D**  Left click **Hoop** 
3. Left click **Select Hoop**  to open the Hoops box
4. Select the **130mm x 180mm** hoop.
5. Place a checkmark in the **Rotate 90 box**  to rotate the hoop 90°



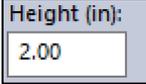
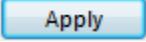
6. Left click **OK**  to close the Hoops box.

Create text.



1. Left click **Text**
2. Left click on the design page and a MY TEXT is created on the design page
3. Left click and drag to highlight the MY TEXT in the Properties box
4. Type **HERS** in all capital letters
5. Open the Font list and select an Outline font marked with a red-letter O.
 - The sample uses the font called **Abby**

Edit the text:

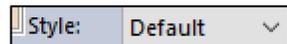
1. Change the Height in the Properties box to **2** inches .
2. Left click **Apply** 
3. Left click and drag the **width control point**  at the lower left corner of the lettering on the design page to make the lettering narrower so it fits inside the embroidery hoop.
4. Use the Sewing Simulator to see how these letters will be stitched



5. A run stitch and a single layer of zig zag stitches is the standard underlay



The lettering is set to stitch in the Default style.



1. Sometimes when satin stitch lettering is stitched on fabrics with nap, the satin columns appear to have uneven edges.



2. That effect is the result of the stitches being affected by the texture of the napped fabric.
3. This is an effect you may see on terry cloth towels, knits like tee shirt fabric or sweatshirt fabric.



Use a Recipe

Selecting a Recipe when the design page is opened will change the settings for specific types of fabric.

1. Selecting the Towel Recipe will add more underlay stitching to flatten the terry cloth under the satin stitches.

Set up a new design page

1. Left click **New Recipe**  on the Quick Access tool bar.
2. Open the Recipe window, scroll down, and select **Towel**.
3. Left click **OK**  and a new design page opens.

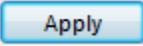
4. Left click **Draw 3D** 

5. Left click **Hoop** 

Create text

1. Left click **Text** 
2. Left click on the design page and a MY TEXT is created on the design page
3. Left click and drag to highlight the MY TEXT in the Properties box
4. Type **HERS** in all capital letters

Edit the text

1. Change the Height in the Properties box to **2** inches .
2. Left click **Apply** 



3. Left click and drag the **width control point**  at the lower left corner of the lettering on the design page to make the lettering narrower so it fits inside the embroidery hoop
4. Use the Sewing Simulator to see how these letters will be stitched
5. Additional under stitching has been added to flatten the nap of the towel

HER

Default with Run Lettering

The other change that can improve the look of the lettering is to change the Style of the stitching. This is an option that is available because an Outline font was selected

1. Open the Style window and select **Default with Run**

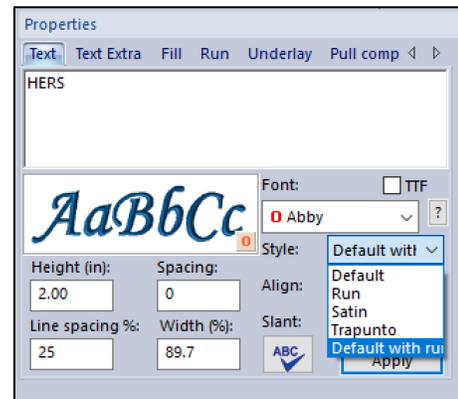
2. Reset the Height at 2 inches

Height (in):
2.00

3. Left click **Apply**



- The lettering is now set to stitch a satin stitch and then to sew a straight stitch outline around each letter.
- This outline is stitched in the same color as the satin stitch and is designed to create a straight edge along the edges of the satin columns.
- The straight stitch “fools the eye” by creating a straight edge on the letters



HERS

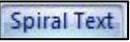
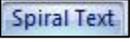


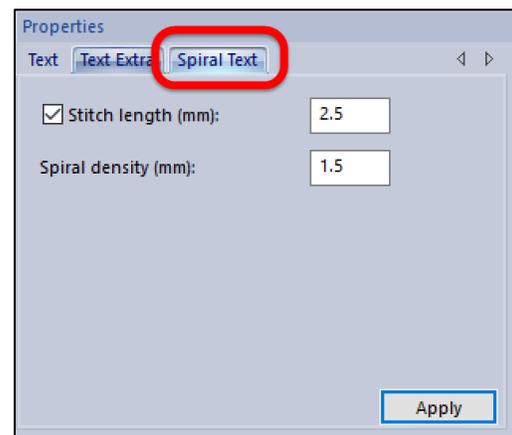
Spiral Lettering

If you are looking for a fun new style, you might want to try Spiral stitched letters. FontWorks has 36 fonts which can be changed to Spiral stitching in the Style window.

1. Left click **New**  on the Quick Access tool bar.
2. Left click **Draw 3D** 
3. Left click **Hoop** 
4. Left click **Text** 
5. Left click the design page and a MY TEXT is created on the design page
6. Left click and drag to highlight the MY TEXT in the Properties box
7. Type **Spiral**
8. Open the Font list and select an Outline font.
 - The sample uses the font called **Lizzie**
9. Open the Style window and select **Spiral**
10. Left click **Apply** 
11. Click and drag to resize the text to fill the hoop

The letters will be stitched with run stitch spiral stitching which creates a whole new look for your lettering.

1. The stitch settings for Spiral stitching will be found on the Spiral Text tab  in the Properties box
2. Left click the Spiral Text tab  and you will be able to adjust the density of the Spiral stitching
3. If you place a check mark in the Stitch length box, you will then be able to highlight and change the length of the run stitches in the spiral stitching.



4. This style of stitching does not fill in solid, so the fabric will show through the stitching.



Trapunto Lettering

Some of the Outline fonts in FontWorks can be stitched in a style called Trapunto which will create quilted letters.

1. Left click **New**  on the Quick Access tool bar.
2. Left click **Draw 3D** 
3. Left click **Hoop** 

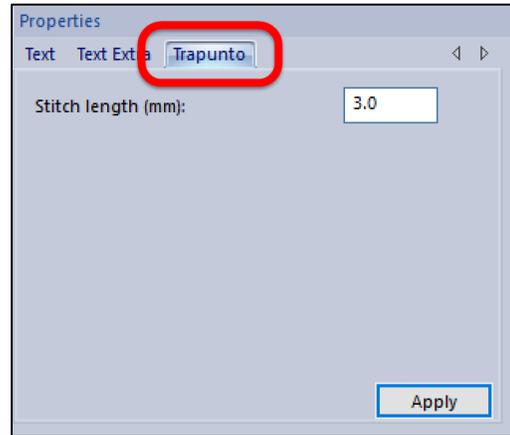
Create text

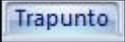
1. Left click **Text** 
2. Left click on the design page and a MY TEXT is created on the design page
3. Left click and drag to highlight the MY TEXT in the Properties box
4. Type **TRAPUNTO**
 - Open the Font list and select an Outline font.
 - The sample uses the font called **Unicorn**

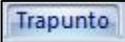
Edit text



1. Open the Style window and select **Trapunto**
2. Left click **Apply** 
3. Use the click and drag controls to change the Height and Width so the text fits in the hoop
4. And the resulting text is Bean stitch lettering with Single run quilting lines around it.



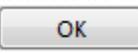
As with the other Styles of lettering we have looked at, when Trapunto lettering is created, a Trapunto tab  automatically appears at the top of the Properties box.

1. Left click the Trapunto tab  and you will be able to change the stitch length of the quilted stitches.
2. Note that stabilizer will not be needed if you are stitching on a quilt with batting



Satin Lettering

Satin style lettering is different from the satin stitched Default lettering. When you select Satin style lettering, the outline of the letters will be stitched with a satin stitch border and the center of the letters will not be stitched. This style of lettering is a good option if you need large lettering for a flag or a banner.

1. Left click **New**  on the Quick Access tool bar.
2. Left click **Draw 3D** 
3. Left click **Hoop** 
4. Left click **Select Hoop**  to open the Hoops box.
5. For this exercise select the **180mm x 300mm** (11.81" x 7.09") hoop
6. Place a checkmark in the **Rotate 90 box**  to rotate the hoop 90°
7. Left click **OK**  to close the Hoops box.

Create text

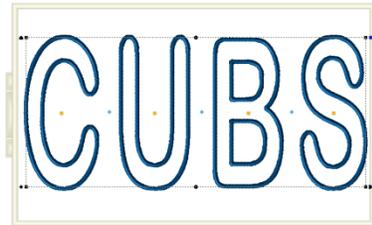
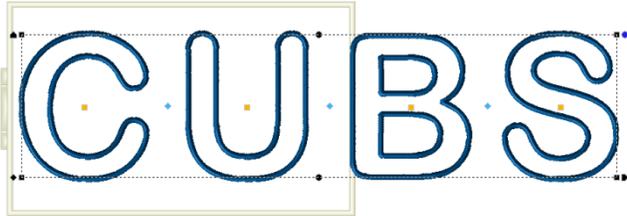




1. Left click **Text**
2. Left click on the design page and a MY TEXT is placed on the design page
3. Left click and drag to highlight the MY TEXT in the Properties box
4. Type **CUBS** in all capital letters
5. Open the Font list and select the font called **Smooth Block**
6. Open the Style window and select **Satin**
7. Change the Height to **5** inches in Properties
8. Left click **Apply** 

Edit the text

1. The lettering is placed on the design page, but it is not centered in the embroidery hoop and it appears to be too big. T
2. Left click Zoom to Fit  so you can see all the text
3. Left click and drag to move the lettering so the letter "C" is at the left of the embroidery hoop
4. Left click and drag the Width control point  at the lower right corner of the text to make the lettering narrow enough to fit into the embroidery hoop
5. Left click Zoom to Fit  and you will be zoomed in so the embroidery hoop and the now narrower text fit the page.
6. Left click on any color chip in the Color Palette to change to the team colors.

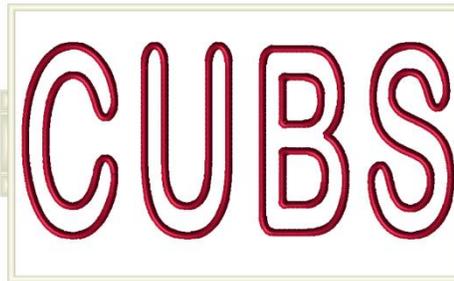
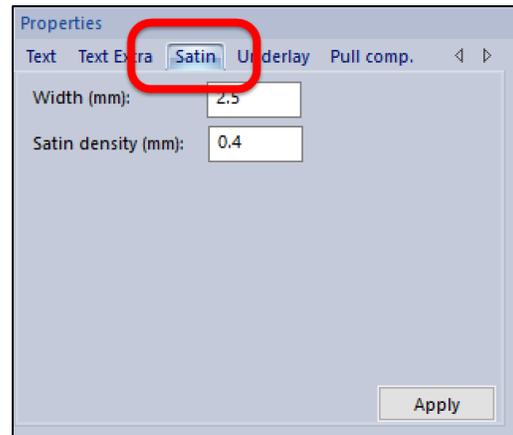


The maximum Height for the Smooth Block font in the Default style is just 1.5 inches. We just made that font 5 inches tall and did not get a warning that we had created satin stitches that were too wide. With satin style lettering, if you can fit it into your embroidery hoop, you can stitch it!

When the Satin style was selected, a Satin tab  was automatically displayed at the top of the Properties box.

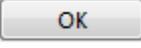


1. Left click the **Satin Tab** 
2. Left click and drag to highlight the number in the Width window and you can then type the desired width for the satin stitch
3. Left click Apply  and the width of the stitch changes on the design page
 - The sample letters were changed to a width of 4mm
4. And the stitch length of the satin stitch can be changed in the Satin Density window
5. These are the same settings you would use when setting up a satin stitch in your sewing machine.



Create Appliqué Lettering

Applique lettering is fun and allows you to add personality to the lettering with your fabric.

1. Left click **New**  on the Quick Access tool bar.
2. Left click **Draw 3D** 
3. Left click **Hoop** 
4. Left click **Select Hoop**  to open the Hoops box.
5. For this exercise select the **200mm x 300mm** hoop
6. Place a checkmark in the **Rotate 90 box**  to rotate the hoop 90°
7. Left click **OK**  to close the Hoops box.

Create text





1. Left click **Text**
2. Left click on the design page and a MY TEXT is placed on the design page
3. Left click and drag to highlight the MY TEXT in the Properties box
4. Type **BABY** in all capital letters
5. Open the Font list and select the font called **Hobby Horse**
6. Open the Style window and select **Applique**
7. Change the Height to **3** inches in Properties
8. Left click **Apply** 
9. Use the click and drag control to change the width of the text so it fits in the hoop

The letters are now all different colors

1. These letters have extra steps built in for the applique sewing process



- There are three colors in each letter
- Two colors are straight stitch outlines of the letter
- And a third color that is the stitching to cover the raw edge of the fabric (called a cover stitch)

2. If you move the Draw Bar cursor to see how these letters will sew, you will see that each of the three steps for a letter is a different color



3. The different colors signal your machine to stop sewing
 - The machine may think you are changing the thread color, but what you will really be doing is adding the applique fabric or trimming that fabric
 - The letters will be stitched with the same color thread used for all the stitching

Motif Applique

As with the other types of outline lettering, you will find an Applique tab in the Properties box that allows you to control the stitch settings

1. Left click to select the lettering on the design page if it is not already selected.
2. Left click the Applique tab  at the top of the Properties box
 - The stitch controls on the Applique tab offer lots of options



3. Open the **Appliqué type**

Applique type: window



4. The cover stitch of the appliqué can be satin, blanket or motif stitches

5. Select **Motif** and click **Apply**

6. The stitching that covers the raw edge of the fabric is changed to a decorative motif stitch

7. Open the Motif window and select the motif stitch you want to use to cover the raw edge of your appliqué.

- The sample used the motif called **Candlewicking 04**

8. Motif Size controls the size of the motif stitch

- Left click and drag to highlight the stitch length shown in the window
- Type the desired stitch length

9. Left click **Apply**

Blanket Stitch Applique

If you would prefer to use a Blanket stitch applique:

1. Open the **Appliqué type** window2. Select **Blanket** and left click **Apply**

3. Now the letters are stitched with a blanket stitch and the stitch setting controls for blanket stitching are displayed

4. Stitch length controls the length of the straight stitches sewn in the first two steps of the appliqué

- Stitch length can be adjusted for all three types of applique and it always controls the length of the straight stitches sewn as placement and tack down stitching.
- You may want to select a shorter stitch length so the fabric does not pull loose when the applique fabric is trimmed

Stitch length (mm):

5. Appliqué width controls the width of the blanket stitches

- Blanket density controls the distance between blanket stitches
- Left click **Apply** to save the changes



Satin Stitch Applique

To change back to Satin stitch applique:

- Open the **Appliqué type** window
- Select **Satin** and left click **Apply**
- Stitch length still controls the length of the straight stitches sewn in the first two steps of the appliqué
- Appliqué width controls the width of the satin cover stitch.
- Appliqué density controls the stitch length of the satin cover stitch
 - The setting of 0.4 will give you a nice filled in satin stitch
- Appliqué Inset % controls the position of the cover stitch relative to the straight stitches underneath.
- To see how Applique Inset works:
 - Change the Appliqué density to 2.0 so the straight stitches are visible through the zig zag cover stitch
 - Left click Apply
 - Left click on the **Magnifying Glass** 
 - Left click and drag a box around the stitching at the edge of one of the letters
- Note that with Applique Inset set at 50% the straight stitch runs under the center of the zig zag cover stitch.
- Change the Applique Inset % to **60%**
- Left click **Apply**
 - And the zig zag is moved in toward the appliqué fabric



- This places more of the satin stitch on the appliqué fabric and can be useful if you are working with fragile specialty fabrics like lame that could ravel and pull loose from the stitching.

11. Change the Applique Inset % to **40%**

12. Left click **Apply**

- The zig zag is moved out toward the background fabric
- This allows more room for trimming the fabric if you are using heavier appliqué fabrics like quilting flannels or pinwale corduroy.

13. Change the Applique Density back to **0.4**

- Changing the Applique Density was just a way for us to be able to clearly see the position of the straight stitches under the zig zag satin stitch
- And that Applique Density can be changed back to the 0.4 setting that gives us a perfect satin stitch before the pattern is saved

13. Left click **Apply**

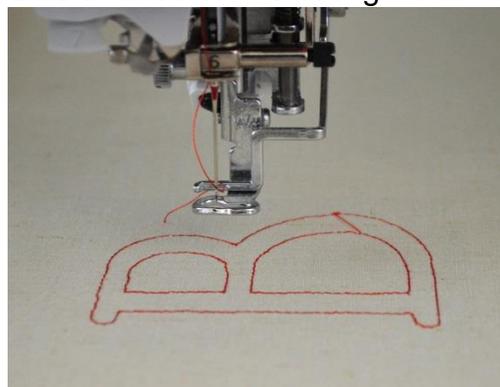
14. Left click the **Zoom to Fit**

B A B Y

Sewing Applique Letters

If you have not yet stitched an appliqué in the embroidery hoop you may fall in love with this technique. It is easy, and the finished lettering will have a polished look.

1. Hoop the background fabric and stabilizer
2. Begin stitching
 - A straight stitch outline of the letter is stitched on the background fabric
 - The machine stops when the outline is complete
 - This is called the Placement stitch and shows you exactly where to place the applique fabric



3. Trim any jump stitches so they will not show through the applique fabric
4. Place the appliqué fabric over the outline of the letter, making sure that the appliqué fabric covers the entire stitched outline.
 - You can use a sticky spray if you want to keep the fabric from shifting but if you press the applique fabric with spray starch you may not need the sticky spray.
5. Start the machine again to stitch the second straight stitch outline of the letter
 - This is the Tack down stitch, and it sews the applique fabric to the background fabric
 - Trim any jump stitches



6. Remove the hoop from the machine, BUT DO NOT TAKE THE FABRIC OUT OF THE HOOP.
7. Carefully trim the fabric around the letter
8. If you hold the scissors flat as you see in the picture you will not accidentally cut the background fabric and you will be able to trim very close to the straight stitch outline
9. If you need to trim a hole in the center of the letter, the easiest way to lift the applique fabric so you can trim it without cutting the background fabric is to use a large pin.



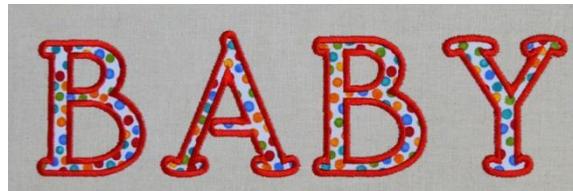
- I use a corsage pin, but any large pin will work



- Carefully slip the pin between the applique fabric and the background fabric
- Insert the point of your scissors into the same hole where the pin goes in.
 - Once you have cut the first slit in the fabric, you can remove the pin.
 - Cut with your scissors turned sideways and you will be able to trim just the fabric
- When you have finished trimming the fabric around your letter, place the hoop back on the machine
- Continue sewing and the machine will sew the satin stitch around the letter and the Placement straight stitches for the next letter.

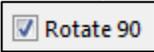
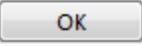


- Just repeat the process until all the letters have been stitched.
 - As you can see in the photos above, all the stitching was done with the same spool of red thread.
 - The different colors are intended only to make the machine stop when you need to add fabric, or trim fabric.



Copy & Paste Text

An outline can be added to the letters in an outline font.

1. When using Outline fonts, you can create a satin or run stitch outline around each letter in your text.
2. Or you can unite the outlines to create echo quilting around your text for another take on quilted lettering
3. Left click **New**  on the Quick Access tool bar.
4. Left click **Draw 3D**  **Draw 3D**
5. Left click **Hoop** 
6. Left click **Select Hoop**  to open the Hoops box.
7. For this exercise select the **130mm x 180mm** (5.12" x 7.09") hoop
8. Place a checkmark in the **Rotate 90 box**  to rotate the hoop 90°
9. Left click **OK**  to close the Hoops box.

Create text

1. Left click **Text** 
2. Left click on the design page and a MY TEXT is placed on the design page
3. Left click and drag to highlight the MY TEXT in the Properties box
4. Type **UCLA**
5. Open the Font list and select the font called **Unicorn**
6. Left click **Apply** 

Edit text

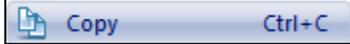
1. Change the Height to **1.6** inches
 - This is larger than the recommended Height, so we will also need to change the fill pattern
2. Left click the Fill tab 
3. Open the Pattern window and select the fill called Thatched Basket

Pattern:  Thatched Basket ▼
4. Left click **Apply** 



5. Change the color of the letters by left clicking on a **gold color chip**  in the Color Palette

6. Left click **Select** 
7. Right click and select **Copy**



8. Right click and select **Paste**



9. Select the letters and left click and drag to move the second set of letters

- It may look like the paste did not work, but that is because the new set of letters was placed exactly on top of the original letters that were copied.
- Select the letters you can see and move them



Add a Satin Outline

1. Select the letters at the top of the hoop

2. Left click **Text**  so the text control points are displayed on the letters.

- To add an outline to your text, you must select an Outline font and the text control points must be active.

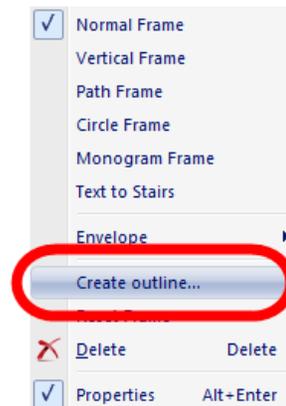
3. Add some space between the letters to make room for the satin outline around the letters

- In the Properties box, change the Spacing to **2**
- Left click **Apply** 

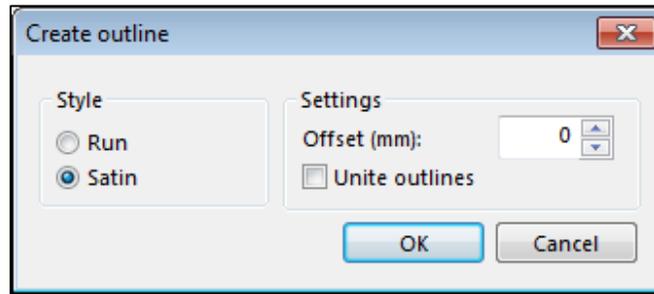
4. Right click and select **Create outline**



from the right click menu



5. A Create outline box opens for you to select the desired settings for your outline



6. At the left, you will be able to select either a Run stitch or Satin outline.
7. Left click to select **Satin** Satin
8. Offset under Settings controls the distance between the letter and the outline
 - For an outline with no gap between the letter and the outline, set the Offset at **0mm**
9. Unite outlines controls how the outline will be created
 - If there is a check mark in Unite outlines, Unite outlines then the letters will be outlined as a group instead of having outlines around each individual letter.
 - If there is no check mark in Unite outlines, Unite outlines the outlines will be added to each letter
10. Left click to remove the check mark from Unite outlines Unite outlines
11. Left click OK
12. Left click a dark blue color chip in the Color Palette to change the new outline around the letters to blue



Add a Run Stitch Outline.

1. Select the letters at the bottom of the hoop
2. Left click **Text**  so the text control points are displayed on the letters.
3. Adding a little space between the letters to allow for the outline is still a good idea, but the space needed is less with a Run stitch
 - In the Properties box, change the Spacing to **1**
 - Left click **Apply**

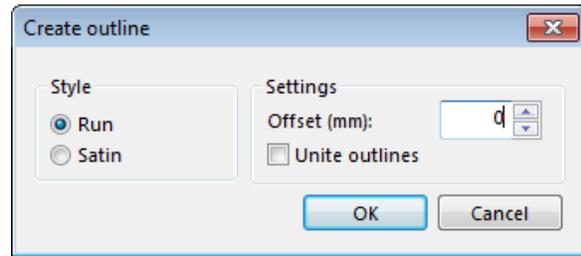


4. Right click and select **Create outline**  from the right click menu The Create outline box opens for you to select the desired settings for your outline

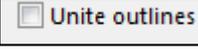
5. Run is already selected, so no action is required

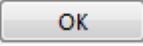
6. For an outline with no gap between the letter and the outline, set the Offset at **0mm**





7. Left click to remove the check

mark from Unite outlines 

8. Left click OK 

9. Left click a dark blue color chip  in the Color Palette to change the new outline around the letters to blue



Copy & Paste to a New Page

Text can be copied on one design page and pasted on a different design page.



1. Left click **Select**

- Note that you will see a different right click menu when the lettering is selected with the Select tool

2. Left click the text to be copied to select the text

3. Right click and select **Copy**

4. Go to the page where the text is to be pasted

5. Right click and select **Paste**

6. Change the color of the text to blue by left clicking a blue color chip

United Outlines

Add United outlines around the lettering to create quilting lines



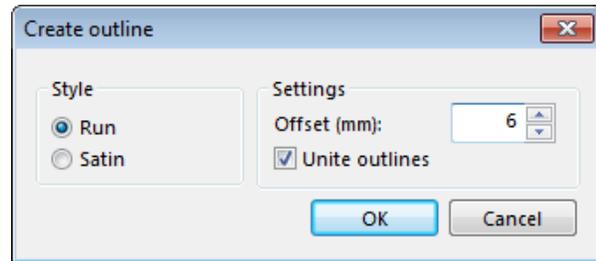
1. Left click **Text**



2. Left click the lettering on the design page and the editing control points will be displayed
 - Note that you will see a different right click menu when the editing control points are active

3. Right click and select **Create outline**  from the right click menu

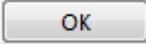
4. The Create outline box opens for you to select the desired settings for your outline



5. Run is already selected, so no action is required

6. For an outline that is 1/4" from the letters, set the Offset at **6mm**

7. Unite outlines already has a check mark, so no action is required.

8. Left click OK 

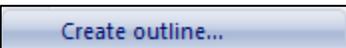
9. Change the color of the run stitches by left clicking on a **gold color chip**  in the Color Palette

10. And first quilting line has been created

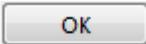


To add a second line of quilting simply repeat the process but change the Offset the 12 instead of 6.

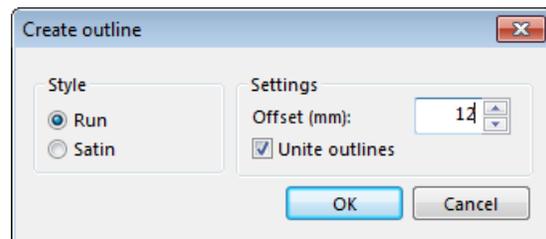
1. Left click Text  and then left click the letters on the design page
 - The text controls must be active before another outline can be added

2. Right click and select **Create outline**  from the right click menu

3. For an outline that is 1/2" from the letters, set the Offset at **12mm**

4. Left click OK 

5. Change the color of the run stitches by left clicking on a **gold color chip**  in the Color Palette



6. And a second quilting line is added around the letters



The process can be repeated to add as many lines of echo quilting as desired. Just make each line 6mm farther away from the lettering.

This gives you a different effect than the Trapunto letters. The Trapunto style always creates letters sewn with a bean stitch surrounded by three lines of quilting.



Designs - Children Font

The last exercise in this class is what computer geeks call an “Easter egg”. An Easter egg is an undocumented feature in the software. The font called Children has some hidden designs that are fun.

1. Left click **New**  on the Quick Access tool bar.

2. Left click **Draw 3D** 

3. Left click **Hoop** 



Create text

4. Left click **Text** 
5. Left click on the design page and a MY TEXT is placed on the design page
6. Left click and drag to highlight the MY TEXT in the Properties box
7. Type **Children**
8. Open the Font list and select the font called **Children**
9. Left click **Apply** 
10. The font is designed to look like it might have been written by a child and it has a fun and casual look



As with any of the fonts, you can left click on the question mark  in the Properties box to display the font map and see what characters are included.



1. Left click the **question mark** 
2. This font has upper case letters, lower case letters and numbers.
3. It also has a few of the basic punctuation marks



The hidden feature in this font happens when you use punctuation marks that are **NOT** shown on the font map.



1. Left click **Text**
2. Left click on the design page and a new MY TEXT is created
 - Note that if the original letters are still selected you will need to left click on the design page twice to get the new MY TEXT
 - The first click will then un-select the first lettering you created
 - The second click will create the new text object
3. Left click and drag to highlight the MY TEXT in the Properties
4. Type @~#~\$~%~^~*
 - Note that these are all punctuation marks that are not shown as available characters on the font map above.
5. Click **Apply** 
6. And you get the embroidery designs shown below!



7. If you want them in different colors, you could type a tilde between them as we did for multi-color letters.
 - @~#~\$~%~^~*



If you want just one design, type just the punctuation mark for that design



1. Left click **Text**
2. Left click on the design page and a new MY TEXT is created
3. Left click and drag to highlight the MY TEXT in the Properties
4. Type {



5. Click **Apply** 
6. And you get a sun!
7. If your sun is not gold, simply left click on a gold color chip in the Color Palette

You will find a chart of the punctuation marks and the embroideries they create in the Children font on the following page.

Children font punctuation:

Type this	To get this
@	
#	
\$	
%	
^	
*	
-	
[
]	
{	
+	
=	
\	
/	
	

