Inkscape Interface

- **menus**
- **toolbox**
- **canvas**
- **page**
- **palette**
- **tool controls**
- **panes**
- **commands**
- **snap controls**
Inkscape Interface

Align and Distribute pane

Fill and Stroke pane

Transform pane

Toolbox

- Selection tool
- Edit Paths by Nodes tool
- Rectangle tool
- Circle tool
- Pencil tool
- Pen tool
Inkscape Interface

Tool controls: Selection tool
- Flip selected objects horizontally

Tool controls: Edit Paths by Nodes tool
- Join selected nodes
- Convert selected object to path

Tool controls: Pencil tool
- Smoothness slider

Toolbox
- Tool controls: Selection tool
  - Flip selected objects horizontally

Tool controls: Edit Paths by Nodes tool
  - Join selected nodes
  - Convert selected object to path

Tool controls: Pencil tool
  - Smoothness slider
Inkscape Key Commands

- **Command, +**: zoom in
- **Command, -**: zoom out
- **Control**: (with shape and select tools) constrains ratio
- **Shift**: (while scaling) scales around center
- **Shift**: (while selecting) selects multiple
- **Control, D**: duplicate
- **Shift, arrow key**: nudge by 1
- **shift, arrow key**: nudge by 10
- **Control, G**: group selected items
Drawing a garden center logo in Inkscape

Color key:
Green: This setting is in the Menu
Teal: These settings are in the Snap Controls bar
Blue: This is a tool in the Toolbox
Red: This is a Tool Control for the currently selected tool
Purple: Look for this setting in the Pane that you opened.
Bold black: [Hold this combination of keys on your keyboard](Name of command)

1. Make your page square
   - Open the File > Document Properties window
   - In the Custom Size section, enter the same value twice.
   - Close the window when done.
   - Scroll up/down and left/right to center the document on screen, then press [Command, +] (zoom in) until the Page mostly fills the Canvas area.

2. Turn on every form of snapping
   - Click the first button in the Snap Controls area

3. Make a circle
   - In the toolbox, choose the circle tool
   - In the Page area, hold [control], click, and drag. Try to keep the circle symmetrical.

4. Align the circle to vertical and horizontal center.
   - Go to Object > Align & Distribute to open the Align/Distribute Pane.
   - Change the “Relative To:” dropdown from Selection Area to Page
   - Click the circle you made to select it, then click Center on Vertical Axis followed by Center on Horizontal Axis

5. Copy the circle
   - Select the circle, then press [control, D] (duplicate)

6. Move the circle up
   - Click to select the circle if needed, then nudge the circle up with [up arrow] (nudge by 1) or [shift, up arrow] (nudge by 10)

7. Make the circle into a path and change the curve of the bottom node to make a droplet/petal shape
   - Choose the Edit Paths by Nodes tool from the toolbox
   - Select the circle by clicking it
   - With the circle selected, click Convert Selected Object to Path
• Select the circle’s bottom node
• Hold [control] and click one handle, then the other handle to remove the curve, creating a pointed corner.

8. Pull the bottom of the petal shape down until it almost touches the circle
• Click the corner node you created, then use [down arrow] (nudge by 1) or [shift, down arrow] (nudge by 10) to bring it close to the first circle

9. Change the rotation point of the petal.
• Choose the Selection tool from the toolbox.
• Click the petal twice (the first click gives you scale handles, the second click gives you curved rotate handles).
• Click the small fine cross in the center of the petal and drag it down to the center of the circle below. Let go when the X shaped target appears

10. Duplicate the petal
• Select the petal, then press [control, d](duplicate)

11. Rotate the petal around the center of the circle
• Go to Object > Transform
• Select the petal. In the Transform pane, choose the Rotate tab.
• We are going to make 9 petals, so in the Angle box on the Rotate tab, type 40 (since 360/9 is 40).
• Click apply.

12. Create and rotate 8 more petals
• Press [control, d](duplicate), then click apply on the Rotate tab. Repeat until there are nine petals.

13. Group the parts of the flower.
• Use [Command, -] (zoom out) if you can’t see the whole flower.
• Using the Selection tool, click and drag to create a box around the entire flower.
• Press [control, g] (group) to make the flower parts into a group.

Take a break- you've earned it! We'll talk about logos for a bit
13. Draw a pot for the flower.
   - Using the **Rectangle tool**, click and drag to draw a wide but short rectangle below the flower.
   - Reopen the **Align pane** if you closed it by going to **Object > Align & Distribute**
   - Click **Center on Vertical Axis** to center the top of the pot
   - Choose the **Rectangle tool**, then draw another rectangle below the first, maybe a bit narrower and taller than the first.
   - In the **Align pane**, click **Center on Vertical Axis** to center the bottom of the pot.
   - Choose the **Edit Paths by Nodes** tool from the toolbox
   - Select the bottom rectangle by clicking it
   - In the **Tool Controls bar for the Selection tool**, click **Convert Selected Object to Path**
   - Click to select the node in the bottom left-hand corner of the pot.
   - Use **[shift, right arrow]** (*nudge by 10*) to taper one side of the pot. Nudge by perhaps 30 (three taps).
   - Repeat on the bottom right-hand node, using **[shift, left arrow]** (*nudge by 10*)

13. Group the parts of the pot.
   - Using the **Selection tool**, click and drag to create a box around just the pot pieces.
   - Press **[control, g]** (*group*) to make the pot into a group.

14. Resize and reposition the pot and flower
   - Using the **Selection tool**, click the flower.
   - Hold **[shift, control]** and drag a scale handle on one of the corners to resize the flower while keeping it centered.
   - Repeat for the pot- select it, hold **[shift, control]** and drag a corner scale handle.
   - Select, then use **[shift, up arrow]** and **[shift, down arrow]** (*nudge by 10*) to move the pot and flower away from each other, leaving space for a leaf and stem.

15. Draw a stem
   - Choose the **Pencil tool**.
   - In the **Tool Controls bar for the Pencil tool**, increase the amount of **Smoothness** by moving the blue slider.
   - Starting in the center of the flower and ending just past the top of the pot, click and drag to draw a bendy stem.
16. Fatten up the stem
   - Go to Object > Fill and Stroke
   - In the Fill and Stroke pane, choose the third tab, Stroke Style.
   - In the first box on the Stroke Style tab, type 20.

17. Make a curved line for a leaf edge.
   - Choose the Pen tool.
   - Somewhere off to the side of your Page, on the Canvas, hold [shift, control], click to begin the line, move the mouse down, and double-click to end the line.
   - Choose the Edit Paths by Nodes tool
   - Click the line and drag sideways to curve it outward.
   - Use the handles to adjust the curve if needed

18. Form the leaf
   - Choose the Selection tool
   - Press [control, d] (duplicate)
   - In the Tool Controls bar for the Selection tool, click Flip Objects Horizontally
   - Use the [arrow keys] (nudge by 1) and [shift, arrow keys] (nudge by 10) to move the two leaf edges, so they make a complete leaf shape with their ends almost touching. It doesn't have to be exact, but it should be close.
   - Choose the Edit Paths by Nodes tool
   - Double-click one of the leaf edges
   - Hold [shift] and double-click the other leaf edge. This is a little tricky!
   - In the Tool Controls bar for the Edit Paths by Nodes tool, click Join Selected Nodes
   - At the bottom of the screen, click your color in the palette to give the leaf a fill.

19. Take some notches out of the leaf to add character
   - Choose the Pen tool.
   - Create a three-sided shape that overlaps the edge of the leaf.
   - Choose the Selection tool. Select the leaf and the triangle you drew.
   - Go to the Path > menu and choose Difference.
   - Repeat these steps again to take another notch out of a different part of the leaf.
20. Position the leaf.
   • With the Selection tool, click and drag the leaf to move it closer to the pot and flower.
   • Click the leaf to switch between the scale and rotate handles.
   • Scale, rotate, and drag the leaf until it's positioned where you want it.
   • Hold [control] when scaling to keep the leave proportionate.
   • Turn off the snapping options in the Snap Controls bar if they get in your way.

21. Save your lovely work
   • File > Save
   • Will save as an SVG automatically.