

## Assignment 7: Introduction to paths: Letter D and S and m

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### Student learning outcomes:

1. Students will use SVG paths, arcs, Bezier curves, and clipping paths to draw letters.
2. Students will use geometry to precisely place the parts of letters that might be composed of multiple parts.
3. Students will identify various typographic terms such as baseline, bowl, and serif.

### Real world applications:

1. Most graphic arts drawings will require clipping paths, masks, or Bezier curves. This assignment is just an introduction.
2. Employees who can pay sufficient attention to detail are also in demand in any field.

### Assignment requirements

- Draw the letter C with a cutout made using a clipping path.
- Draw the lower case letter m using three lines, two circles, and a clipping path, all precisely aligned.
- Draw the upper case letter D using a path that includes an arc.
- Draw the lower case letter e on an angle using a circle, a line, clipping paths, and a rotate transform.
- Draw the letter S using two 270-degree arcs spliced together into a single path.
- On graph paper, calculate and map out the coordinates necessary to draw the letter S using a Bezier curve path.
- Draw the letter S in SVG using a Bezier curve path.

