

Coding a Valentine's Day Heart

1. Copy the code from steamcoded.org/lessons/ValentineGrid.svg.txt
2. Add a path element to the code
`<path d="M150,58C180,-2,260,-2,280,58" />`
3. Add to the path element definition: `C310,158,170,208,150,268`
Hint: `<path d="M150,58C180,-2,260,-2,280,58 C310,158,170,208,150,268" />`
4. Add to the path element definition: `C130,208,-10,158,20,58`
5. Add to the path element definition: `C40,-2,120,-2,150,58z`
6. Add an attribute to the path element: `class="heart"`
7. Copy the path element and paste on the next line, then change the class attribute from `class="heart"` to `class="outline"`
8. Add a text element: `<text x="150" y="100">Happy</text>`
9. Add a text element: `<text x="150" y="150">Valentine's</text>`
10. Add a text element: `<text x="150" y="195">Day</text>`
11. Animate the heart outline by adding an animate element as a child of the path element with `class="outline"`
`<animate attributeName="stroke-dashoffset" values="0;-10" dur="0.1s" repeatCount="indefinite" />`

Note: remove the ending `/` on the path element and add an ending `</path>` on the line after the animate element – so the animate element is a child of the path element

When complete, change the style attribute of the element with `id="grid"` from `"display:initial"` to `"display:none"` which hides the grid. Then change the style attribute of the element with `id="code"` from `"opacity:0.5"` to `"opacity:1"`

12. Edit the style section to change colors or fonts
Google has many fonts to use at: <http://fonts.google.com>
13. Change the message from Happy Valentine's Day to:
I Love You
I Love My Teacher
I Love My Parents
I Love School
I Love Coding
I Love Math
I Love Art
or any of the Candy Heart sayings – I'M YOURS, BE MINE, LOVE YOU, etc.

Adjust text element `x` and `y` attributes and font-size as needed