In this activity, you will get introduced to coding! Coding is instructions the computer follows called an algorithm. Coding follows many programming languages like Java, Python, C++, and many more. We will be using Scratch, an online platform you can use to program your own activity, it’s simple to use and you can create many things like games, animations, and stories. You will get to animate letters to change color, spin, play a sound, and dance!

MATERIALS

- Computer
- Wi-fi
- Website: https://scratch.mit.edu/

INSTRUCTIONS

1. Create an account on Scratch (website listed in Materials)
2. Choose a backdrop
3. Delete the sprite already on the screen
4. Choose a letter from the Sprite library
5. Add the code (each letter has a different code for the action) the letter S has a Color Clicker, H has Spin, P has Play a Sound, and E has Dancing Letter.

<table>
<thead>
<tr>
<th>S – Color Clicker</th>
<th>H - Spin</th>
<th>P - Sound</th>
<th>E – Dancing Letter</th>
</tr>
</thead>
<tbody>
<tr>
<td>-Click the Sounds tab</td>
<td>-Choose a sound</td>
<td>-Click Extensions button</td>
<td>-Click Music to add music blocks</td>
</tr>
</tbody>
</table>

6. Try it by clicking on the letter

CHALLENGE: For Middle School and Up

After completing the activity shown, try to animate the letters of your name! You can follow the same animations we just demonstrated, make them change size, glide around or create your own, have fun and explore.