

Project Name: Virtual Art

Now that you've learned about Scratch 3.0 for AI and its powerful AI extensions, it's time to put your knowledge into practice with an exciting hands-on project.

Free LMS Access

Hands-on-activity

1. Virtual Art

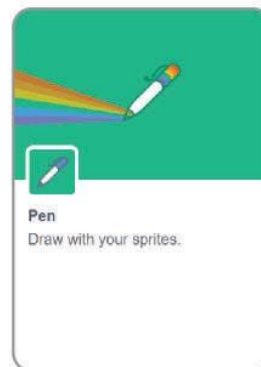
In this activity, you'll use the Speech Recognition extension to control the color of a pen using your voice. Imagine drawing with your words—say "red," and watch as the pen changes color and starts drawing in red. This project not only demonstrates the practical application of AI but also allows you to explore your creativity in a new and interactive way.

Step-by-Step Guide

Step 1: Begin by clicking on the "Add Extension" button in your Scratch 3.0 for AI interface.



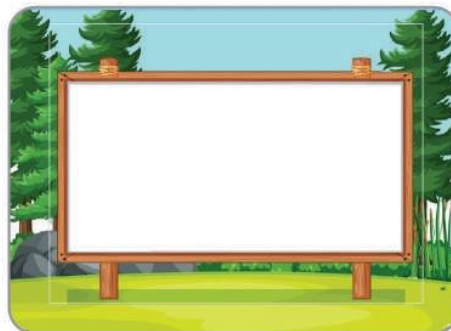
Step 2: From the list of available extensions, select "Text to Speech", "Speech Recognition," and "Pen Commands"



Step 3:

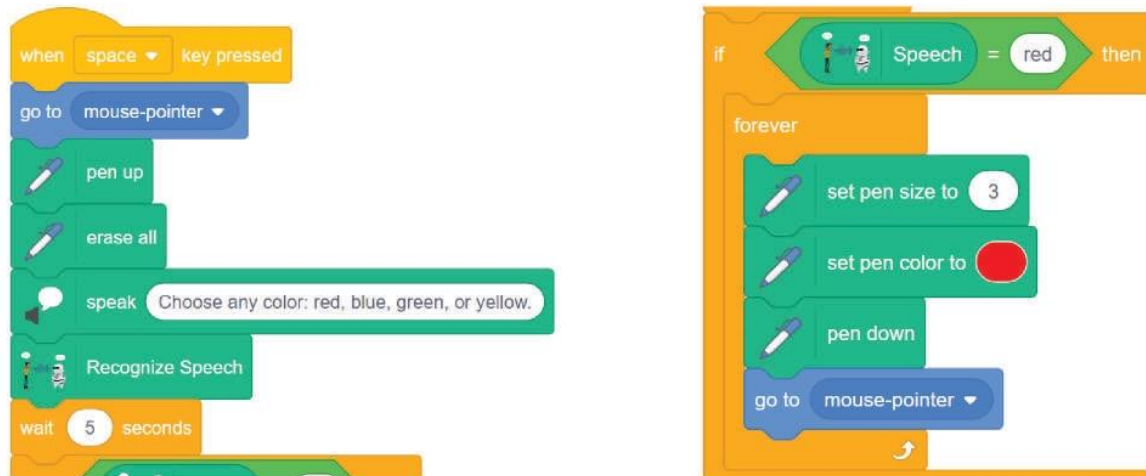


Select the Sprite

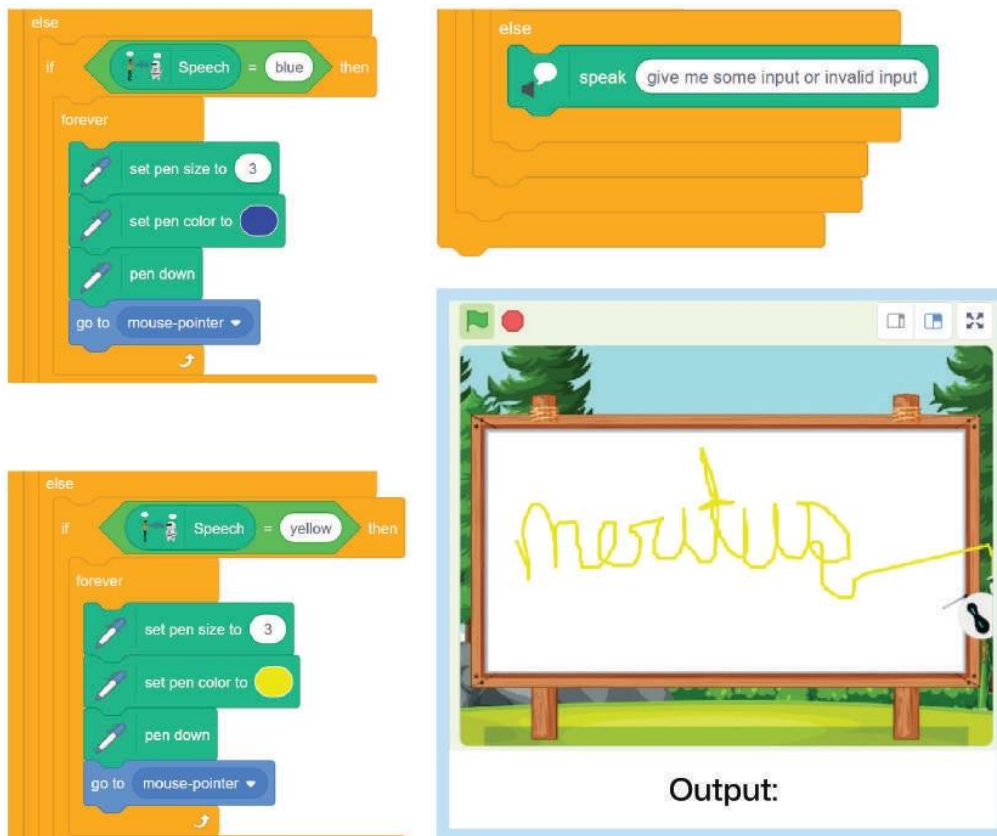


Add the Backdrop

Step 4: Create an event that triggers when the space bar is pressed, activating the microphone to start listening.



Use the “Recognize Speech” block to detect color names like “red,” “blue,” or “green”. Connect these blocks to the Pen commands to change the pen’s color based on the speech (spoken word).



Output:

Step 5 : Test and Remix:

- Press the space bar and say different colors, observing how the pen changes accordingly.
- Experiment with adding more colors or combining commands for more complex drawings.