



Let's Learn Scratch!
Making Sprites Move
Work Sheet: 03-P-20-WS



Introduction:

You have just been introduced to Motion blocks in Scratch. The programs in scratch are like movies with characters called sprites. In this lesson, we used the built-in sprite cat, we named it Billi. You learned how to Create a new project, give it a name, give your sprite a name and write a program or script using a few of the Motion blocks. You had also learned Looks and Sounds blocks in the previous class.

Now it is your turn to experiment and write a few programs with the Cat.

Part 1: Motion Blocks

Try the following:

1. Start Scratch. Press Create to make a new project. Come up with your own name for the project and the cat sprite.
2. Starting from the left most edge, make the cat move to the right end of the screen. Experiment by changing how many steps the cat moves in one block, and adding more number of blocks.
3. Starting in the center of the screen, make the cat move 10 steps in different directions, Up, Down, Left, Right.
4. Now starting at the bottom left corner of the screen, make the cat climb up a ladder until it reaches the top right corner. Hint: a ladder going up is like going right, then up, then again right, then up.
5. Now starting at the top right corner of the screen, make the cat climb the ladder down until it reaches the bottom left corner. Hint: a ladder going down is like going left, then down, ...
6. Save your work.
7. Challenge: Combine the program in #5 with some Looks or Sound blocks to make the cat say something like 'March March' or 'Left Right' when it climbs down each step.

Part 2:

Later in the class, you learned Costumes and how to switch between them. Try this:

1. Change the program in #5 to make the cat move its legs as it goes down each step.