

# Introduction to Scratch

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# Scartch

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- Scratch is a free programmable toolkit that enable users to create their games, animated stories and interactive art and share their creations with one another over the internet.
- Fun and Educational

## Usage of scratch allows you to:

- Create solutions to problems using computers
- Study information
- 'Invent Algorithms
- Write programs to implement the algorithms
- Scratch is developed by the lifelong Kindergarten group at MIT Media Lab

# Scartch

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<https://scratch.mit.edu>



**Motion**

- move 10 steps
- turn 15 degrees
- turn 15 degrees
- go to random position
- go to x: 0 y: 0
- glide 1 secs to random position
- glide 1 secs to x: 0 y: 0
- point in direction 90
- point towards mouse-pointer
- change x by 10
- set x to 0
- change y by 10
- set y to 0



Command Center



Sprite: Sprite1 x: 0 y: 0

Show: [ ] [ ] Size: 100 Direction: 90

Stage

Backdrops: 1

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Programming Area



The programming area is a large grid where code blocks are assembled. An orange arrow points from a box labeled "Programming Area" to this grid. The stage to the right shows a cat sprite on a white background.

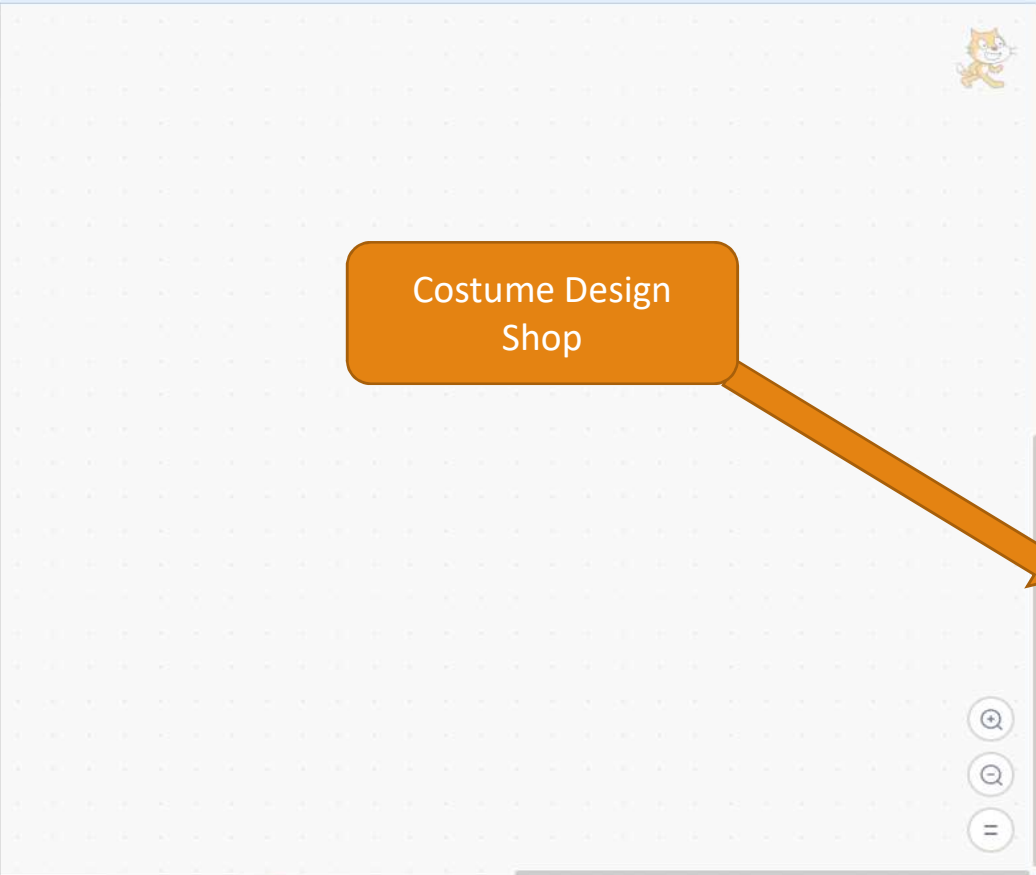
Sprite: Sprite1 x: 0 y: 0

Show:   Size: 100 Direction: 90

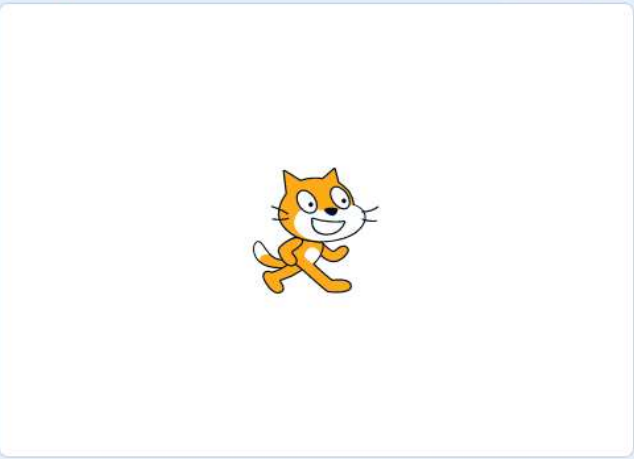
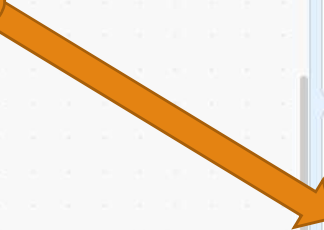
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Costume Design Shop



Sprite: Sprite1 x: 0 y: 0

Show:   Size: 100 Direction: 90

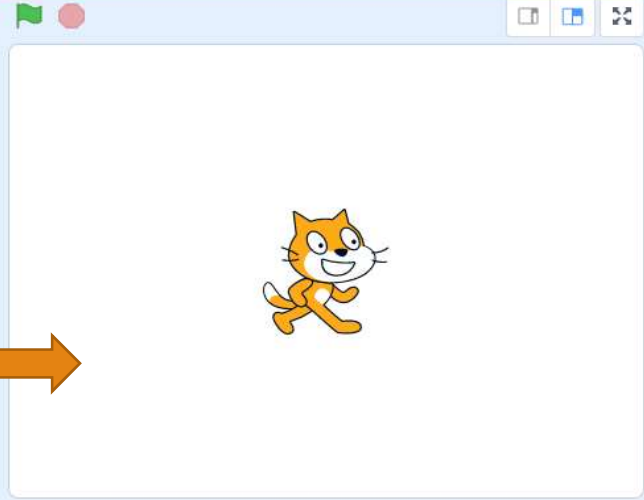
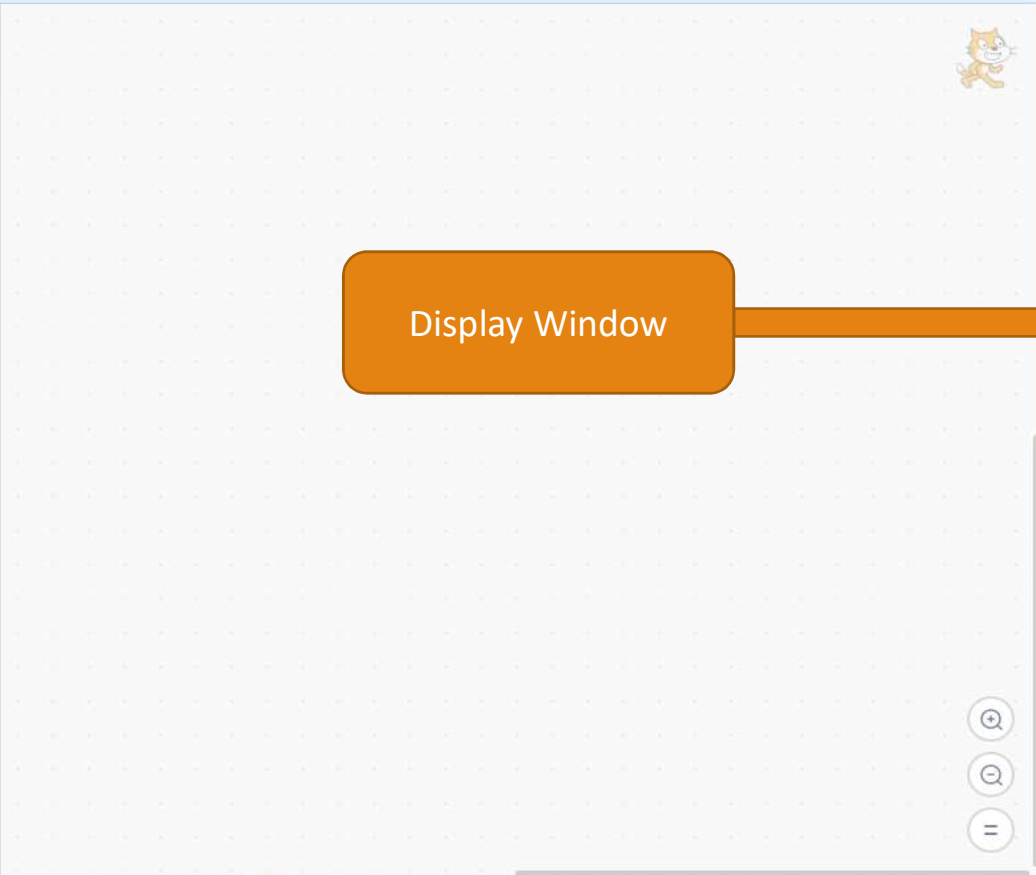
Sprite1

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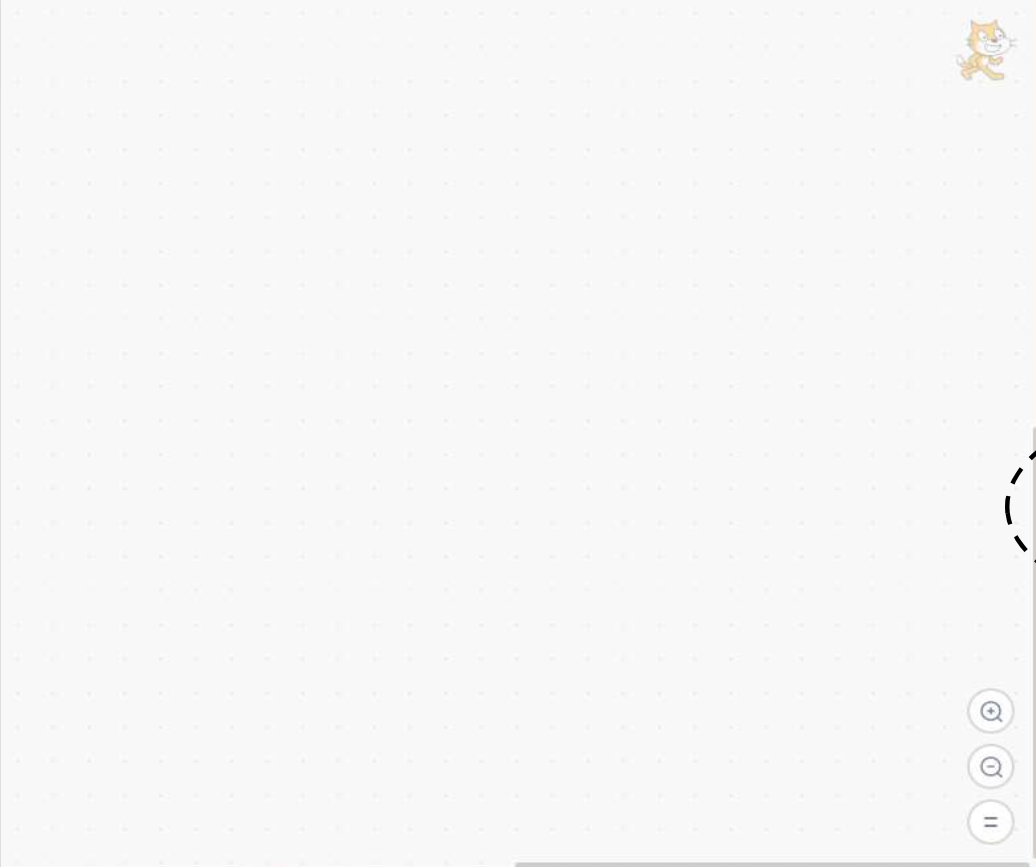
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Choose a Sprite