

# LEARN SCRATCH WORKSHOP

## What is Scratch?

Scratch is used to help teach computer programming concepts. It was developed by the Massachusetts Institute of Technology (MIT).

A **program language** is an artificial language and humans use it to guide computers (and tell them what to do). A **program** is a set of instructions that the computer executes.


## Create an Account

To create an account and to use the online version of Scratch, go to <http://scratch.mit.edu>

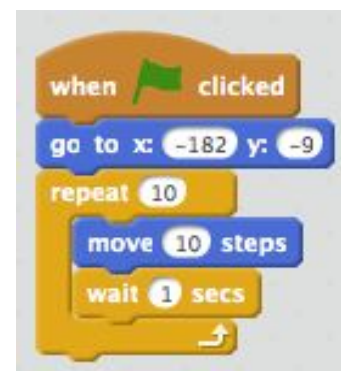
**Username:**

**Password:**

## Movement in Scratch

\* Computers can run commands very, very fast. So fast that you might not see the motion. In order to slow the computer program down, we use  blocks.

Try out the following programs. What do you notice?

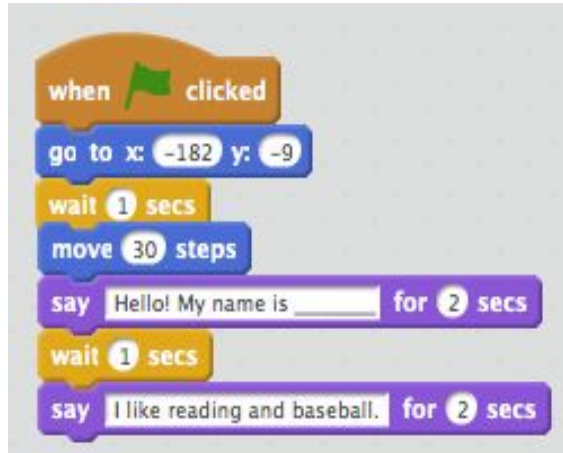
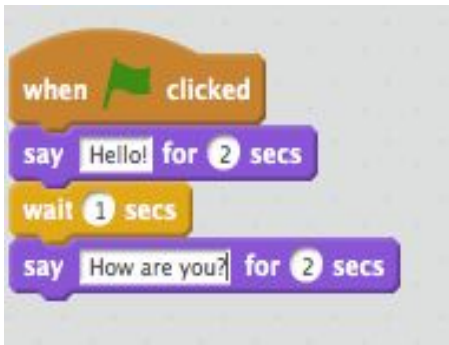


## What else can we do in Scratch?

The more you work with this language, the better you will become at programming. People who write programs for computers to execute are called computer programmers. There are lots of different computer programming languages (Scratch, Python, Java)

## “Looks” Palette

Try out the following programs and see what happens!

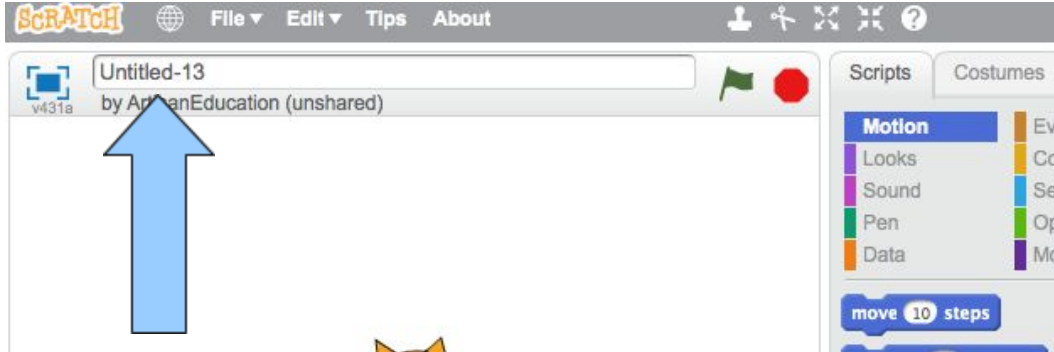


## Your Turn

Can you make a program that has two sprites having a conversation?

## Save Your Project

Now that you've created something you want to keep, be sure to name it and choose “Save” so you can access it later.



Name your file here. When you want to find it again, click “file” - “go to my stuff”

## Learn More

Check out the books, [Super Scratch Programming Adventure!](#) by the LEAD project or, [Help Your Kids with Computer Coding](#) by DK.

For more advanced tutorials, check out the tutorials from this college professor:

<https://www.youtube.com/user/ColleenMLewis>