Getting Started with

Scratch

version 1.4

http://scratch.mit.edu
SCRATCH is a new programming language that lets you create your own interactive stories, animations, games, music, and art.

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Drag a **MOVE** block into the Scripts area.

Click on the block to make the cat move.
Drag out a **PLAY DRUM** and snap it onto the **MOVE** block.

Click and listen.

*If you can't hear it, check that the sound on your computer is on.*

You can choose different drums from the pull-down menu.
Add another **MOVE** block. Click inside the block and type in a minus sign.

Click on any of the blocks to run the stack.

Add another **PLAY DRUM** block, then choose a drum from the menu. Click to run.
Drag out a **FOREVER** block and drop it on top of the stack. You want the mouth of the **FOREVER** to wrap around the other blocks.

*To drag a stack, pick it up from the top block.*

Click to run.

*You can click on any block to run a stack.*

To stop, click the stop button at the top of the screen.
Whenever you click the green flag, your script will start.

To stop, click the stop button.
Now try something different...

Drag out a **CHANGE EFFECT** block.

Click to see what it does.
Now press the space bar on your keyboard.

You can choose a different key from the pull-down menu.
Each object in Scratch is called a sprite.
To add a new sprite, click one of these buttons.

NEW SPRITE BUTTONS:

- Paint your own sprite
- Choose a new sprite from a file
- Get a surprise sprite

To add this sprite, click then go to the People folder and select “jodi1”.
Now you can tell the sprite what to do. Try the following, or explore on your own.

**SAY SOMETHING**

Click the **Looks** category and get a **SAY** block.

Click inside the **SAY** block and type to change the words.

Try the **THINK** block, too...

**IMAGE EFFECTS**

Use the pull-down menu to choose different effects.

Then click the block to see the change.

*To clear the effects, click the Stop button.*
ADD SOUND

Click the SOUNDS tab.

Record your own sound.

Or Import a sound file (MP3, AIF, or WAV format).

Then, click the SCRIPTS tab, and drag in a PLAY SOUND block.

Choose your sound from the pull-down menu.

ANIMATE

By switching between costumes, you can animate your own sprite.

To add a costume, click the COSTUMES tab.

Then, click IMPORT to choose a second costume. (For example, try the image “jodi2” from the People folder.)

Now, click the SCRIPTS tab.

Create a script that switches between costumes.
You can create many different types of projects with Scratch.

To see example projects, select Open from the File menu.

Then, click the Examples button, and choose from any of the folders.

You may want to start with a photo of yourself. Or your favorite character. Or, start by animating the letters in your name.

When you have an idea for a new project, select New from the File menu and start creating.

Click Share to upload your project to the Scratch website:

http://scratch.mit.edu

Visit the Scratch website to learn more!
Scratch is a new programming language that makes it easy to create your own interactive stories, games, and animations – and share your creations with others on the web.

Scratch is developed by the Lifelong Kindergarten research group at the MIT Media Lab (http://llk.media.mit.edu). Our group develops new technologies that, in the spirit of the blocks and fingerpaint of kindergarten, expand the range of what people can design, create, and learn.

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