



WALT create
a moving
animation

Wednesday 6th May 2020

This week, you will be developing your coding skills by creating code in Scratch.

Today, you will continue to explore more aspects of Scratch.

Your challenge will be to debug programmes that have errors.

Username and Passwords

- Your username: **the first 4 letters of your first name** followed by **sw16** (all lowercase)
- **Password: Crowlane6** (capital C)

Examples:

Name: Ravil Brown-Jones

Username: **ravisw16**

Password: Crowlane6

Name: Tim Ishmail

Username: **timsww16**

Password: Crowlane6

You will be asked to change your password when you first log in.

If you have the same name as some else in the other class, or if you are not able to login, use the link below to create your own user name and password.

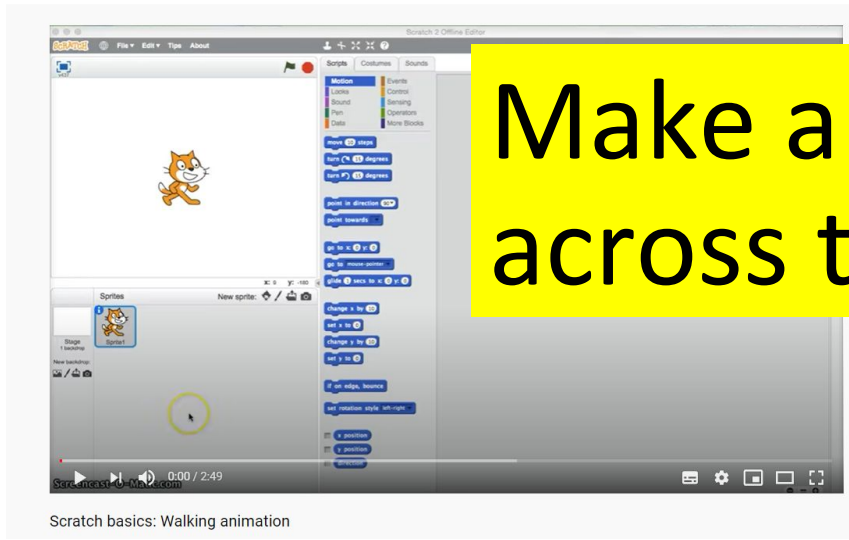
<http://scratch.mit.edu/signup/dr5k2c3kc>



1. Let's play: a walking or flying sprite

For Everyone

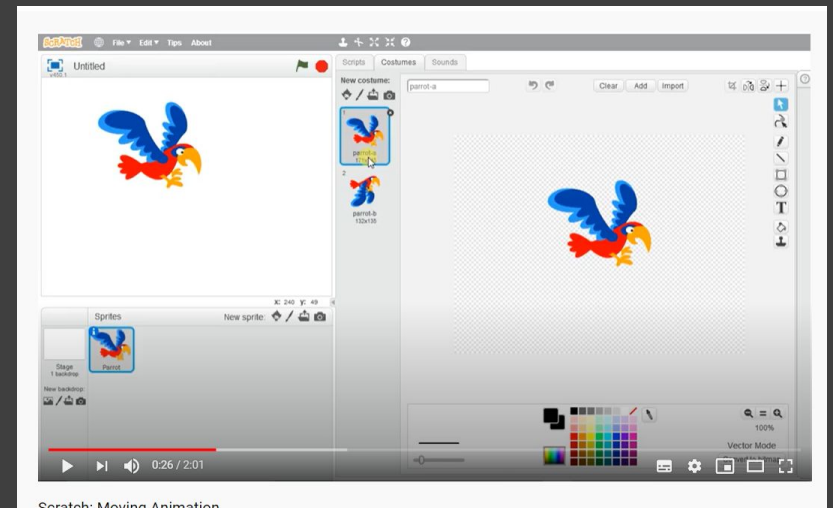
Make a sprite walk across the screen.



<https://www.youtube.com/watch?v=JZqsiCFZ7ds&t=9s>

Choose one to do.

Make a sprite fly across the screen.



https://www.youtube.com/watch?v=mzyBe3F_y7k

Save your project.

1) FILE

2) SAVE NOW

3) Name your project

WALKING or **FLYING**
WRITE YOUR INITIALS at
the end.

4)CLICK SHARE

**(PROJECTS THAT DO NOT
HAVE INITIALS MAY BE
DELETED.)**



The screenshot shows the Scratch web interface. The top navigation bar includes 'File', 'Edit', 'Tutorials', 'Talking SpriteMB', 'Shared', and 'See Project Page'. The 'File' menu is open, showing options: 'New', 'Save now', 'Save as a copy', 'Load from your computer', and 'Save to your computer'. The 'Save now' option is highlighted. The main workspace contains a script starting with 'when this sprite clicked', followed by 'set voice to squeak', 'speak hello', 'speak How are you today?', 'set language to English', and 'glide 1 secs to random position'.

Add to the STUDIO.

1) +Add to Studio

2) Add to Wednesday
6th May 2020



Add to Studio [Close]

Monday 4th May 2020 ✓	Tuesday 5th May 2020 +
Wednesday 6th May 2020 +	Thursday 7th May 2020 +

[Close] [Okay]

Scratch Create Explore Ideas About Search trialsw16

Congratulations on sharing your project! Other people can now try it out, give comments, and remix it.

moving

Instructions

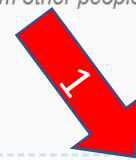
Tell people how to use your project (such as how to press).


Notes and Credits

How did you make this project? Did you use ideas, scripts or artwork from other people? Thank them here.

© Unshared + Add to Studio Copy Link

student-upload-ex...csv One Word Userna...html student-upload-ex...csv



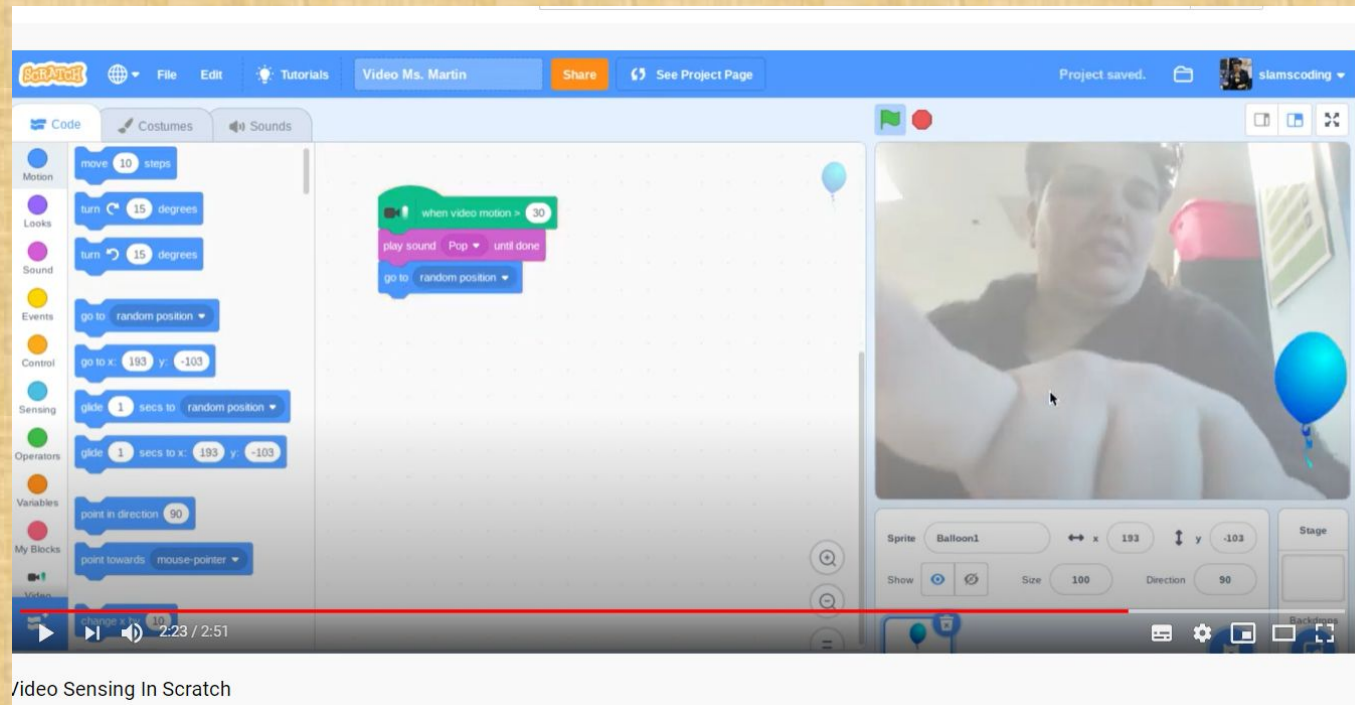


2. Let's build our skills: video sensing

Make a game that responds to you touching the screen.

Put yourself in a Scratch animation and make it react to your touch!

You will need to use the camera on your device.



<https://www.youtube.com/watch?v=5lGoWeK2sSY>

Save your project.

1) FILE

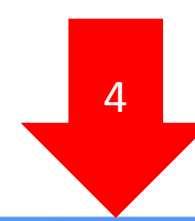
2) SAVE NOW

3) Name your project

SENSING+ YOUR
INITIALS at the end.

4) CLICK SHARE

**(PROJECTS THAT DO
NOT HAVE INITIALS
MAY BE DELETED.)**



The screenshot shows the Scratch IDE interface. The top navigation bar includes 'File', 'Edit', 'Tutorials', 'Talking SpriteMB', 'Shared', and 'See Project Page'. The 'File' menu is open, showing options: 'New', 'Save now', 'Save as a copy', 'Load from your computer', and 'Save to your computer'. The 'Save now' option is highlighted. The project name field 'Talking SpriteMB' is highlighted in blue. The main workspace contains a script starting with 'when this sprite clicked', followed by 'set voice to squeak', 'speak hello', 'speak How are you today?', 'set language to English', and 'glide 1 secs to random position'.

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moving

Instructions

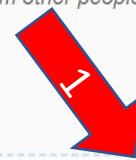
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© Unshared + Add to Studio Copy Link

student-upload-ex...csv One Word Userna...html student-upload-ex...csv





3. Challenge: let's debug

FOR EVERYONE

Can you fix this program <https://scratch.mit.edu/projects/391221795/>

Debug-It 1.3 Crown Lane

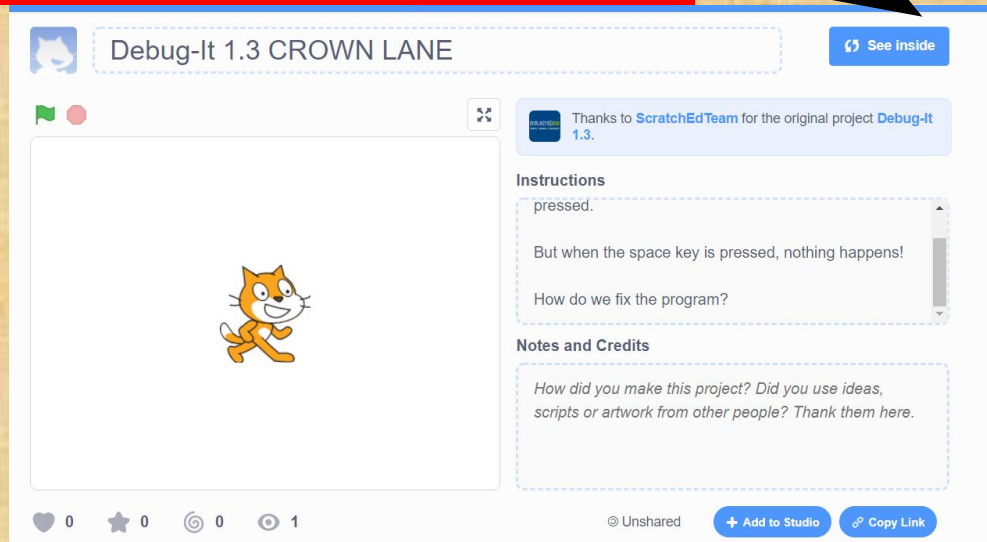
Ms Broomfield has made an error.

The Scratch Cat should do a flip when the space key is pressed.

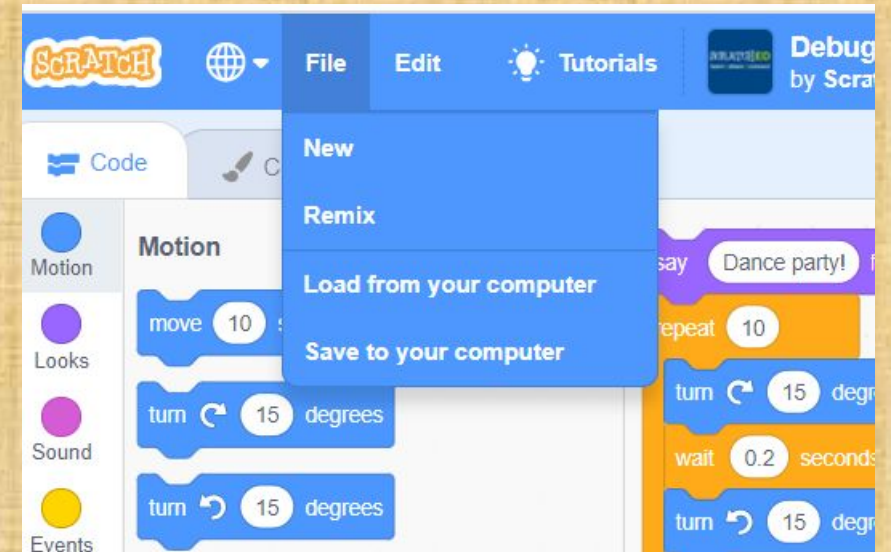
But when the space key is pressed, nothing happens!

How do we fix the program?

Click **SEE INSIDE** to debug and fix the problem



When you have fixed the problem:
FILE – REMIX



1) Share

2) Rename

Debug-It 1.3 *and* YOUR
INITIALS

3) Add to studio

Wednesday 6th May

The image shows two screenshots from the Scratch website. The top screenshot is the Scratch project editor interface. A red arrow labeled '1' points to the 'Talking SpriteMB' title in the top right corner. A blue dropdown menu is open, showing options like 'New', 'Save now', 'Save as a copy', 'Load from your computer', and 'Save to your computer'. The bottom screenshot shows the project's public page titled 'Debug-It 1.3 CROWN LANE'. A red arrow labeled '2' points to the title, and another red arrow labeled '3' points to the 'Add to Studio' button at the bottom right. The project page includes a description, instructions, and notes.

Can you fix this program? <https://scratch.mit.edu/projects/391223785/>

Remix your project to save a copy.

Debug-It 1.4 Crown Lane <https://scratch.mit.edu/projects/391223785/>

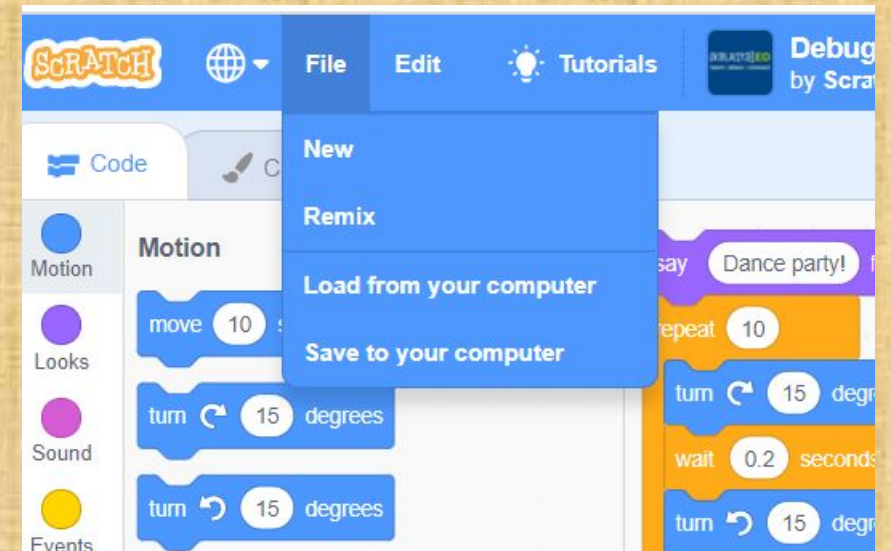
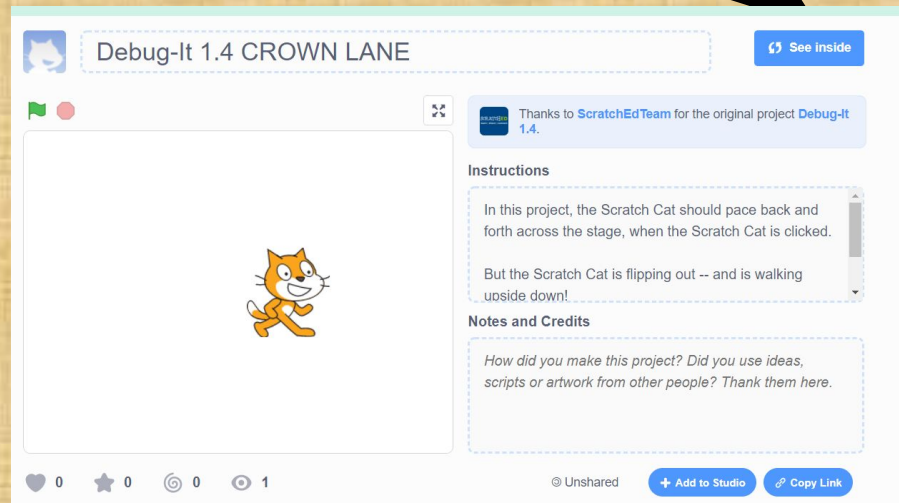
Can you find why Ms Broomfield's project is not working?

In this project, the Scratch Cat should pace back and forth across the stage, when the Scratch Cat is clicked.

But the Scratch Cat is not doing this. How do we fix the program?

Click **SEE INSIDE** to debug and fix the problem

When you have fixed the problem: **FILE – REMIX**



1) Share

2) Rename

Debug-It 1.4 *and* YOUR
INITIALS

3) Add to studio

Wednesday 6th May

The image shows two screenshots from the Scratch website. The top screenshot is a project editor for a project named "Talking SpriteMB". A red arrow labeled "1" points to the "Talking SpriteMB" title bar. A "File" menu is open, showing options like "New", "Save now", "Save as a copy", "Load from your computer", and "Save to your computer". The script area contains a sequence of blocks: "when this sprite clicked", "set voice to squeak", "speak hello", "speak How are you today?", "set language to English", and "glide 1 secs to random position".

The bottom screenshot shows a project page for "Debug-It 1.4 CROWN LANE". A red arrow labeled "2" points to the project title. The page includes a description, instructions, and notes. A red arrow labeled "3" points to the "Add to Studio" button at the bottom right of the page. The page also shows a Scratch Cat sprite, a "See inside" button, and a "Thanks to ScratchEdTeam" message.

Add to the STUDIO.

1) +Add to Studio

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6th May 2020



Add to Studio

Monday 4th May 2020 ✓

Tuesday 5th May 2020 +

Wednesday 6th May 2020 +

Thursday 7th May 2020 +

Close Okay

A screenshot of the Scratch website interface. The top navigation bar includes 'Create', 'Explore', 'Ideas', and 'About'. A green banner at the top says 'Congratulations on sharing your project! Other people can now try it out, give comments, and remix it.' The main content area shows a project titled 'moving' with a 'moving' tag. Below the title are sections for 'Instructions' and 'Notes and Credits'. At the bottom right, there are buttons for 'Unshared', '+ Add to Studio', and 'Copy Link'. A red arrow with the number '1' points to the '+ Add to Studio' button. The browser's address bar and tabs are visible at the top and bottom of the screenshot.



POSSIBLE SOLUTIONS


Go to Padlet and discuss your solutions.
The answers will be revealed tomorrow.

<https://padlet.com/rgrimwood/gj9ek9vdtaz5cqgg>



4. Let's reflect: recording your learning

Choose one
of the
debugging
problems to
write about.



+ What was the problem?

+ How did you identify the problem?

+ How did you fix the problem?

+ Did others have alternative approaches to fixing the problem?

Well done!