

# TO DO: CODE YOUR OWN ADVENTURE HOLIDAY FUN FOR KIDS!

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**What is coding?** Coding is how humans speak to computers. People who are computer programmers use different coding languages to make computer programs and things like websites, games, and animations.

**What is ScratchJr?** ScratchJr is an introductory coding app (iOS and Android) for young children (ages 5 - 7). Children can modify and design characters, objects, backgrounds, add their own sounds, and then use the programming blocks to bring them to life.

For more information head to <https://www.scratchjr.org/>



**Where do I start?** Download ScratchJr for free, available from the App Store and Google Play Store.

## Let's meet the programming blocks:



**Yellow : triggering blocks.**

These blocks get your code started or can make blocks communicate with each other.



**Blue : motion, or movement blocks**

These blocks get your characters moving around your project; up, down, left and right.



**Purple : looks blocks**

These blocks can help your characters talk, change size and fade away.



**Green : sound blocks**

These blocks can make sounds; or you can record your own sounds to use in your project.



**Orange : control blocks**

These blocks allow you to control how your code is used; faster, on a loop, or pausing at certain times.



**Red : ending blocks**

These blocks can act as a full stop to your project, help you switch between scenes, or repeat forever.

For more information: <https://www.scratchjr.org/learn/blocks>

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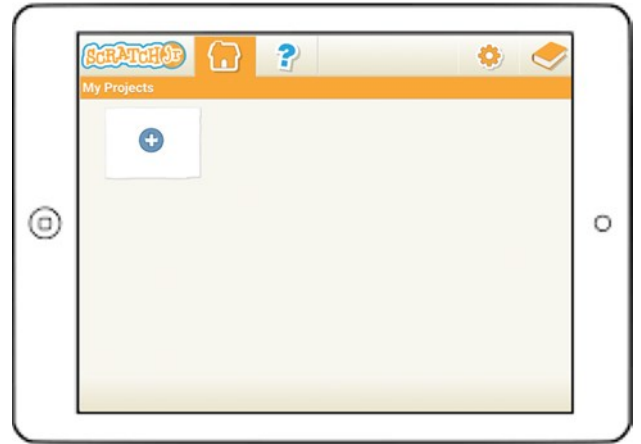


Create your own scenes and characters, and then send them on an adventure as you learn to code with ScratchJr.

\*Parental permission required to download ScratchJr app from the App Store or Google Play Store.



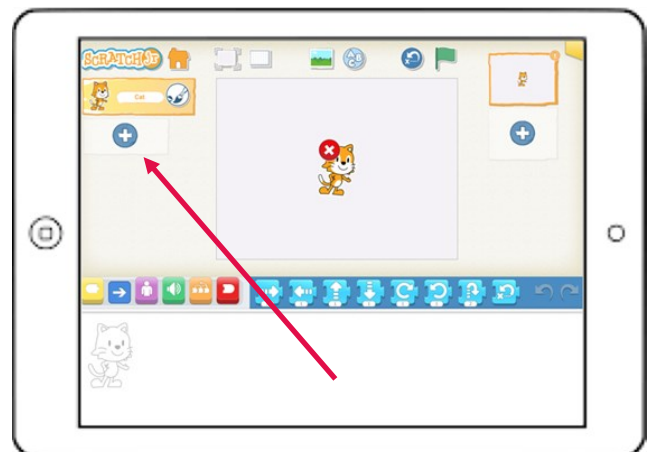
**STEP 1:** Select the Home icon



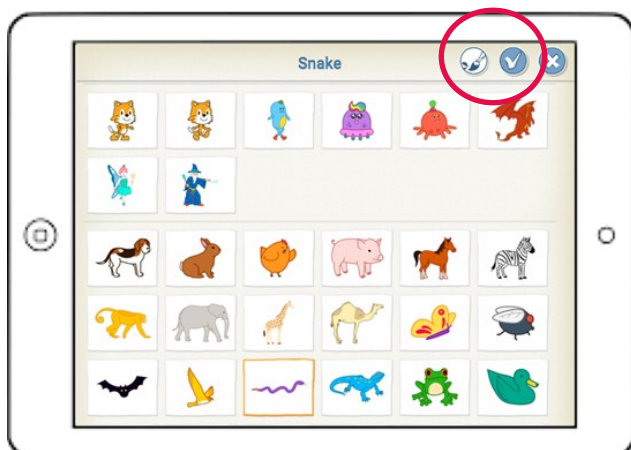
**STEP 2:** Press the + symbol to start a new project. Projects automatically save here.



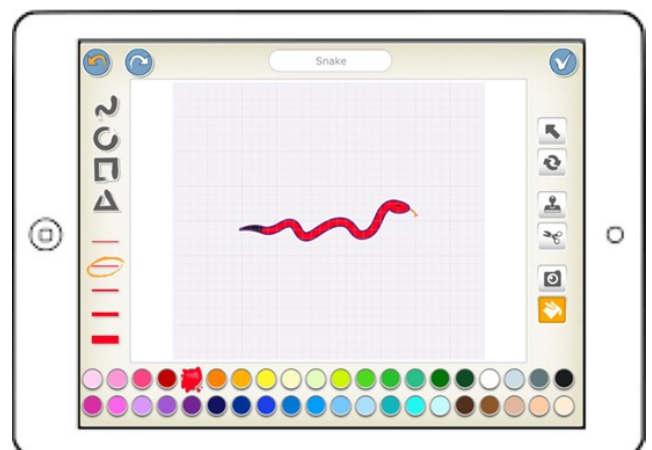
**STEP 3:** The cat is the Scratch mascot. To delete the cat, hold your finger over the cat. A little red cross will appear, tap it and the cat will disappear.



**STEP 4:** To choose a new character tap the + symbol on the left side of the screen. You can add more characters by tapping the + symbol.



**STEP 5:** To choose a character, tap it, then select the tick button. To change the look, select the paint editor button.



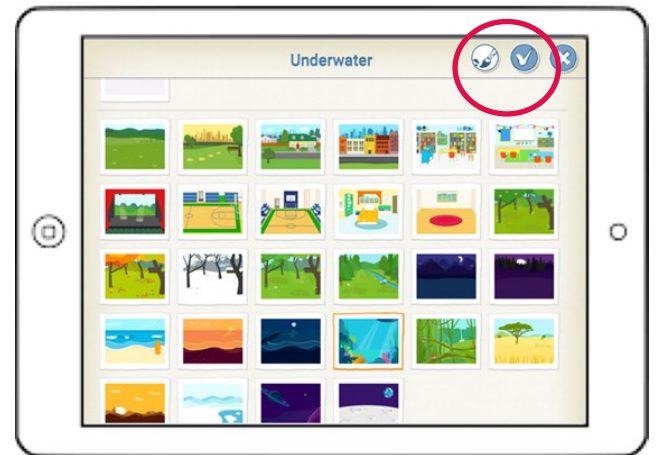
**STEP 6:** The paint editor allows you to draw and change colours, and details. Select the tick when you have finished.

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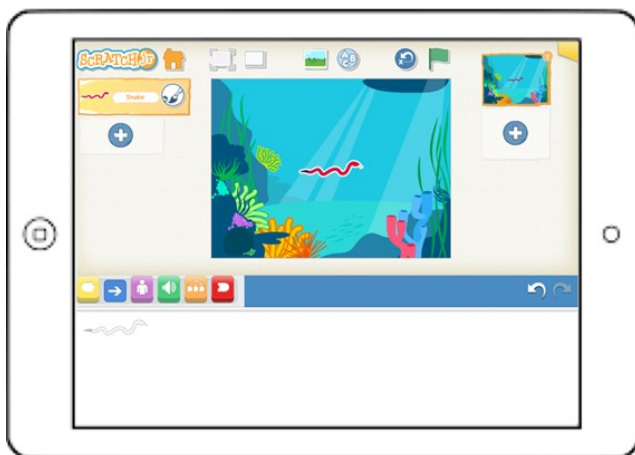
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**STEP 7:** To add a background, select the change background button



**STEP 8:** Scroll through, tap the background you like and then select the tick button. To edit, or even draw a background, select the paint editor button.



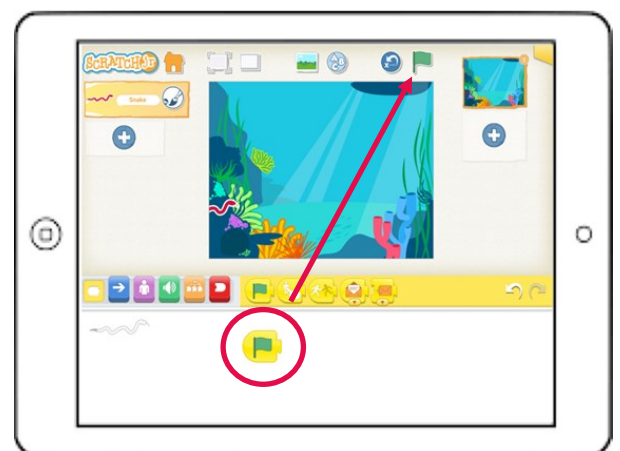
**STEP 9:** Now you have a character and a background, we are ready to code!



**STEP 10:** Each block colour has a different category. Go to the **TO DO** page to learn more about the blocks.



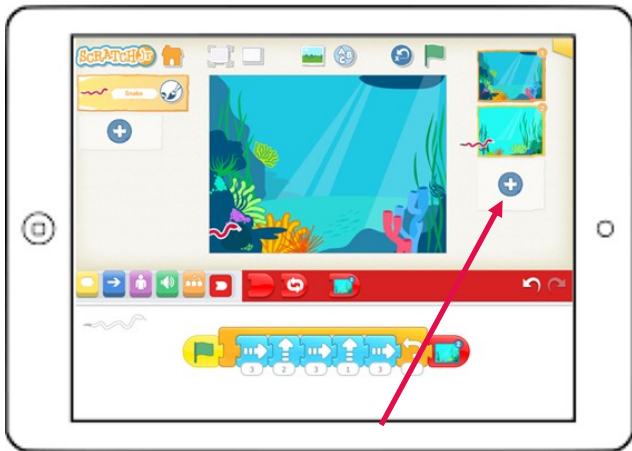
**STEP 11:** Hold and drag blocks into the programming area and fit them together to make a sequence of actions, called a script. Experiment to see which combination makes the most sense to your character and scene.



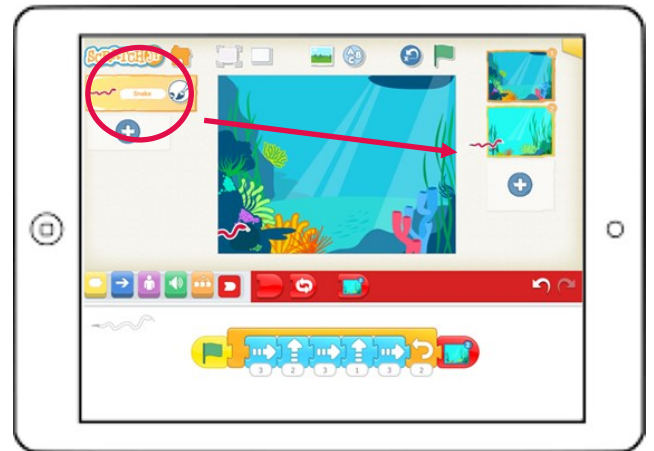
**STEP 12:** To run the program, tap any of the blocks in the script. The 'Start on Green Flag' block also makes your script run.

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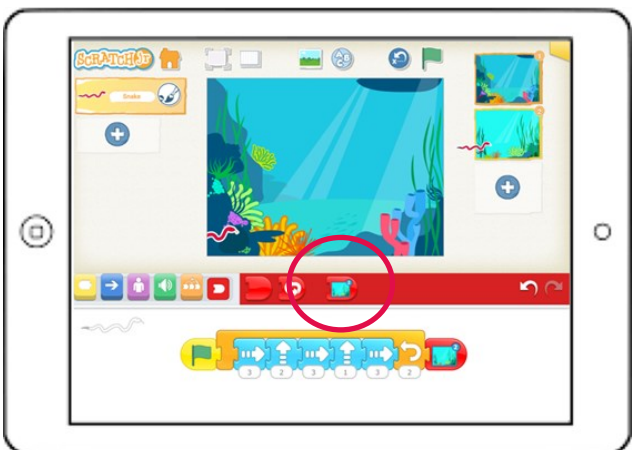
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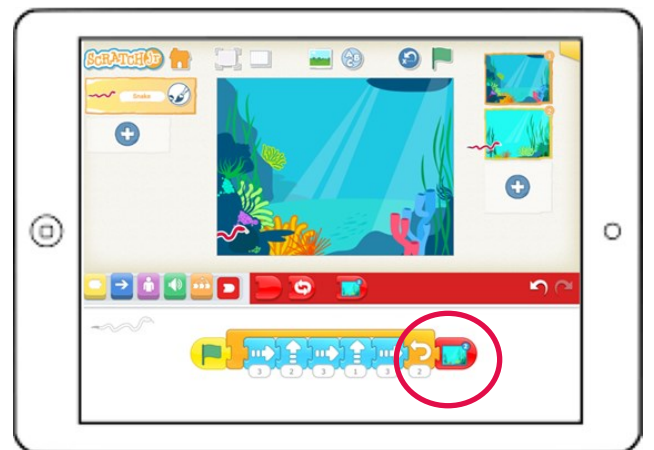
**STEP 13:** To add another scene, tap the + symbol on the right side of the screen.



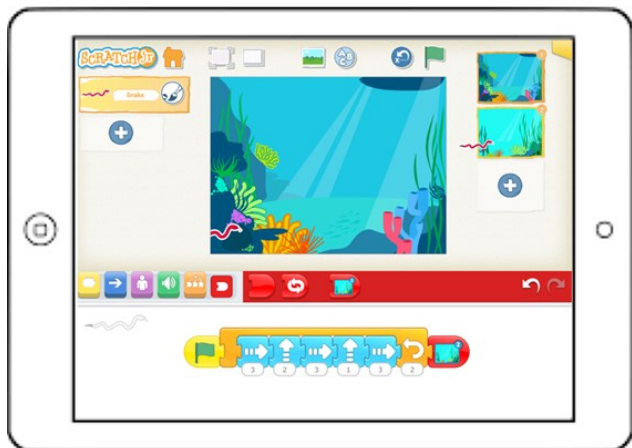
**STEP 14:** To copy your character into the second scene, tap and hold the character from the left side of the screen, and drag/drop it onto the new scene (on the right side of the screen). This also copies the coding script.



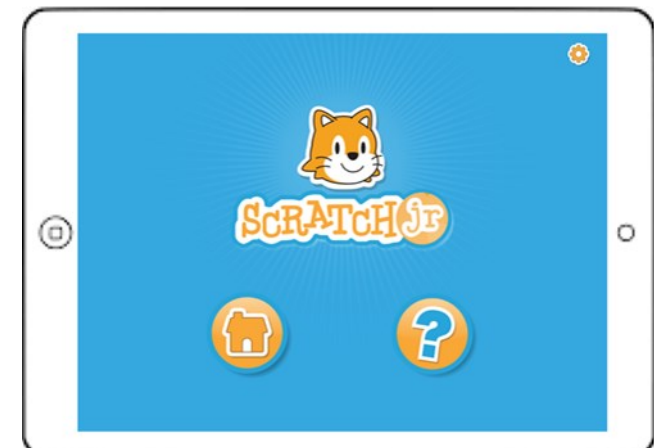
**STEP 15:** When you add a new scene, a new block will appear in the red 'end blocks' category.



**STEP 16:** By selecting this block, it will tell the character and script to continue into the next scene.



**STEP 17:** Test it out. Congratulations on coding your first project!



**WHAT'S NEXT:** What other adventures will you code with ScratchJr?