

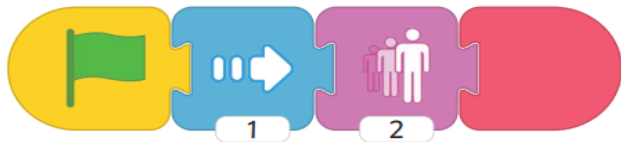
Block 3—Coding and Debugging

Key Vocabulary

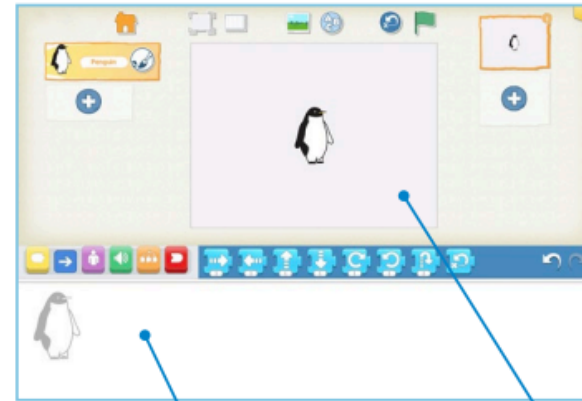
algorithm	A list of step-by-step instructions that a computer follows in order to get a task done. ScratchJr calls this a script .
background	An image that appears on the stage , behind the characters .
blocks	Puzzle-shaped pieces that are used to create the script .
character	An image that can be moved on the stage using a script .
debug	To find, remove or correct errors in a computer program.
programming area	The area on ScratchJr where blocks are joined together to form the script .
script	An algorithm that controls a character and is created by joining blocks together in the programming area .
stage	The area where the script is played. You can view the characters moving here as they perform their algorithms .

Creating a Programming Script

Programming **blocks** are joined together to create a programming **script**. Most **scripts** start with a **Triggering Block** and finish with an **End Block**.



What Does ScratchJr Look Like?



programming area

stage

Debugging

Sometimes a **script** doesn't work exactly how we want it to. This might be caused by an error in the **algorithm**.

If an **algorithm** doesn't work how you expect it to, you need to **debug** it by finding and fixing the error. You might need to try more than once to fix the problem - don't give up!

