

Student Journal

U3-1.3 Let's explore forever loops

To use a definite loop, you need to know how many times the loop needs to repeat. What if you don't know that? Or, what if you want to make a program that loops forever?

To have something repeat forever in EdScratch, you need to use a special loop block in the **Control** category in the block pallet called the **forever** block:

The **forever** block is an **indefinite loop**. Just like all other loop blocks in EdScratch, the **forever** block wraps around other blocks. All the blocks that sit inside the loop block will repeat.

1. If you write a program using a **forever** block, do you think you will be able to add commands for Edison to do after the loop? Why or why not?

Try it out!

Let's turn into an egg timer! Use the **forever** block to write a program so that Edison will wait a certain number of seconds and then sound an alarm forever.

Think about the sequence of things that need to happen for the egg timer program to work. What needs to be inside the loop? What needs to be outside of the loop? Download and test your program with your robot.

2. What does your program look like? Write your program below. Be sure to include the input parameters you used.