

Thursday 19<sup>th</sup> March 2026



*LQ: Can I write a clear algorithm?*

*Steps to success*

*All: I can devise and create algorithms to solve problems.*

*Some: I can include loops in my algorithms.*

*Most: I can visualise directions from a 2D environment.*

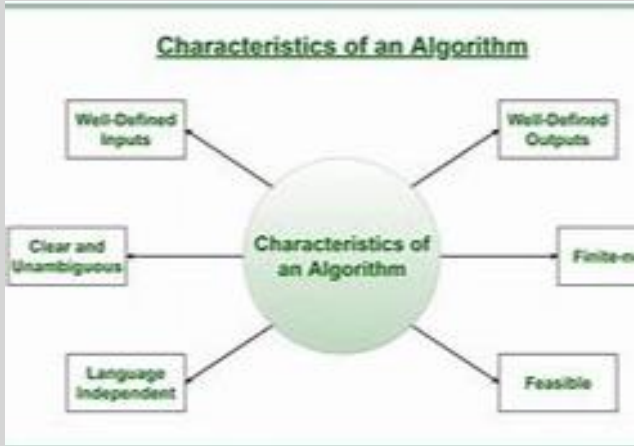




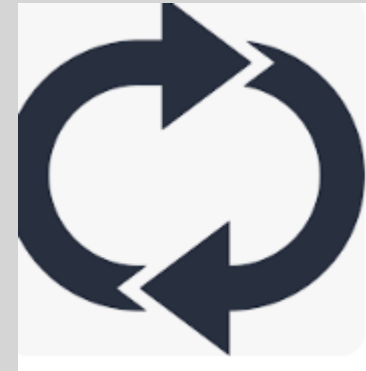
STAR WORDS



*Algorithm*



*Loop*



Today, we are going to look at looping in algorithms.

Looping means repeating some instructions.

We're going to help this bunny get to a carrot!



To tell the bunny to go forward, draw a straight arrow.



To tell the bunny to turn, draw an arrow with a turn.

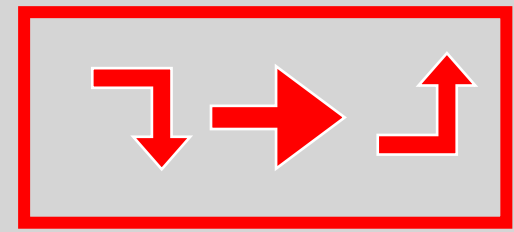


Left



Right

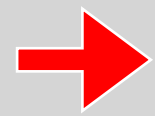
If you want the bunny to loop instructions, put them in a box.



Turn right, go forward, turn left and loop 1 time.



With your partner, write your algorithm on a whiteboard.



Forward one square



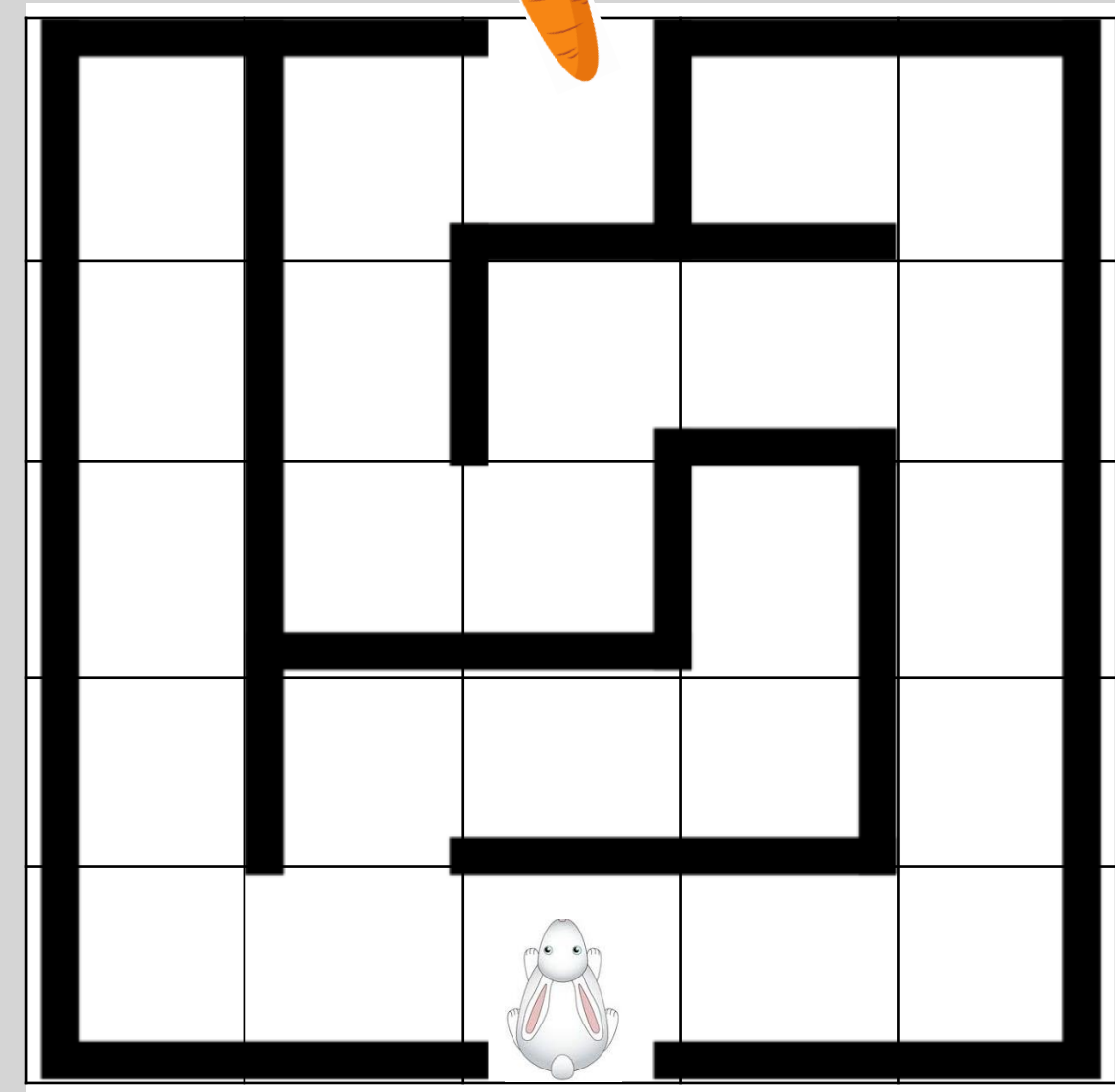
Left a quarter turn



Right a quarter turn



Loop



CT to take one or two whiteboards and follow algorithm.

# TASK

Write an algorithm to navigate the map so the bunny can eat all the carrots. Your partner will follow your algorithm.  
Is there a faster way to get through the map?



## Self Assessment

Do you understand the features of a keyboard?



# Algorithms in action

Play: [google.com/logos/2017/logo17/logo17.html?hl=en](https://google.com/logos/2017/logo17/logo17.html?hl=en)

Program the bunny character to move around the map and collect the carrots.

