Overview

In coding, an **algorithm** are the steps to a task. Algorithms are made up of sequenced commands. A **sequence** is the order that commands are performed by a computer.
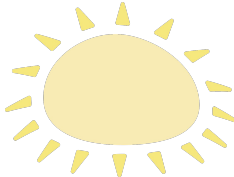
ALGORITHM

steps to complete a task

Instructions

In this activity kids will create an algorithm for Foosty the Snow Glitch to follow before he gets in trouble or melts!

1) Give the Foosty the Snow Glitch grid and algorithm worksheets to your kids.

2) Have your kids observe the grid to see where danger or obstacles are located. Foosty the Snow Glitch will need to avoid these squares.

3) Kids should circle the correct arrow for each step Foosty should take to create an algorithm.

4) Kids should pay attention to the sequence they would like Foosty to follow to get to the Finish line. There are multiple possibilities.

5) Have your kids share their algorithms with you. Ask them if they can think of other solutions and discuss how multiple algorithms can help Foosty the Snow Glitch.

Directions: Foosty the Snow Glitch is here to play! Find a safe route for Foosty before he gets into trouble or melts! Create an algorithm for the steps he should take on the next page.

START			Sun	
	Bonfire			
			Rain	
	Town			
		Gracie		FINISH

FOOSTY THE SNOW GLITCH

Directions: Create an algorithm for Foosty to follow. Circle the arrow you would like Foosty to move for each step below.

Step 1:

Step 2:

Step 3:

Step 4:

Step 5:

Step 6:

Step 7:

Step 8: