Activity 1

Student Name: _____

Making our own algorithms

Test out the algorithms below and see if you can find any *bugs.*
When we find and correct bugs, it is called *debugging.*

↑	↓	↰	↱	⤺
Go forward	**Go back**	**Turn left**	**Turn right**	**Turn around**

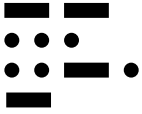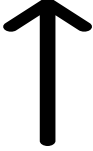| Get Little Red Riding Hood to her Grandmother's cottage	Circle the *bug* in red	Rewrite the algorithm correctly

Activity 2   Student Name: _____

Making our own algorithms

Create your very own algorithm for the problem below.
Make sure to always test your algorithm to find any bugs.

↑	↓	↰	↱	↰
Go forward	**Go back**	**Turn left**	**Turn right**	**Turn around**

Get Little Red Riding Hood to her Grandmother's cottage				Algorithm

Activity 2

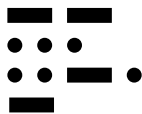Student Name: _____

Making our own algorithms

Create your very own algorithm for the problems below.
Make sure to always test your algorithm to find any bugs.

Go forward ↑	Go back ↓	Turn left ↰	Turn right ↱	Turn around ↩

Get Little Red Riding Hood to her Grandmother's cottage	Algorithm

Activity 3

Student Name: _____

Making our own algorithms

Let's see what other problems we can solve from other stories using algorithms.

Check out the example below and then choose what story you want to use.

	Example story	My chosen story
Name	Little Red Riding Hood	
Character (Bot)		
Obstacle		
Enemy		
Goal		
Problem	Get Little Red Riding Hood to her Grandmother's cottage	

DreamSpace

Activity 4

Student Name: _____

Making our own algorithms

Don't forget your *left* and *right* directions.

Cut out the cards below and hold them in your hands to help you remember.
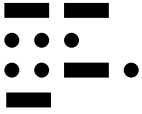
Student Name: _____

Making our own algorithms

Create a grid in real life and use this one to help you solve your story's problem using algorithms.

Use a *pencil* so that you can debug your algorithm and correct any mistakes after testing it.
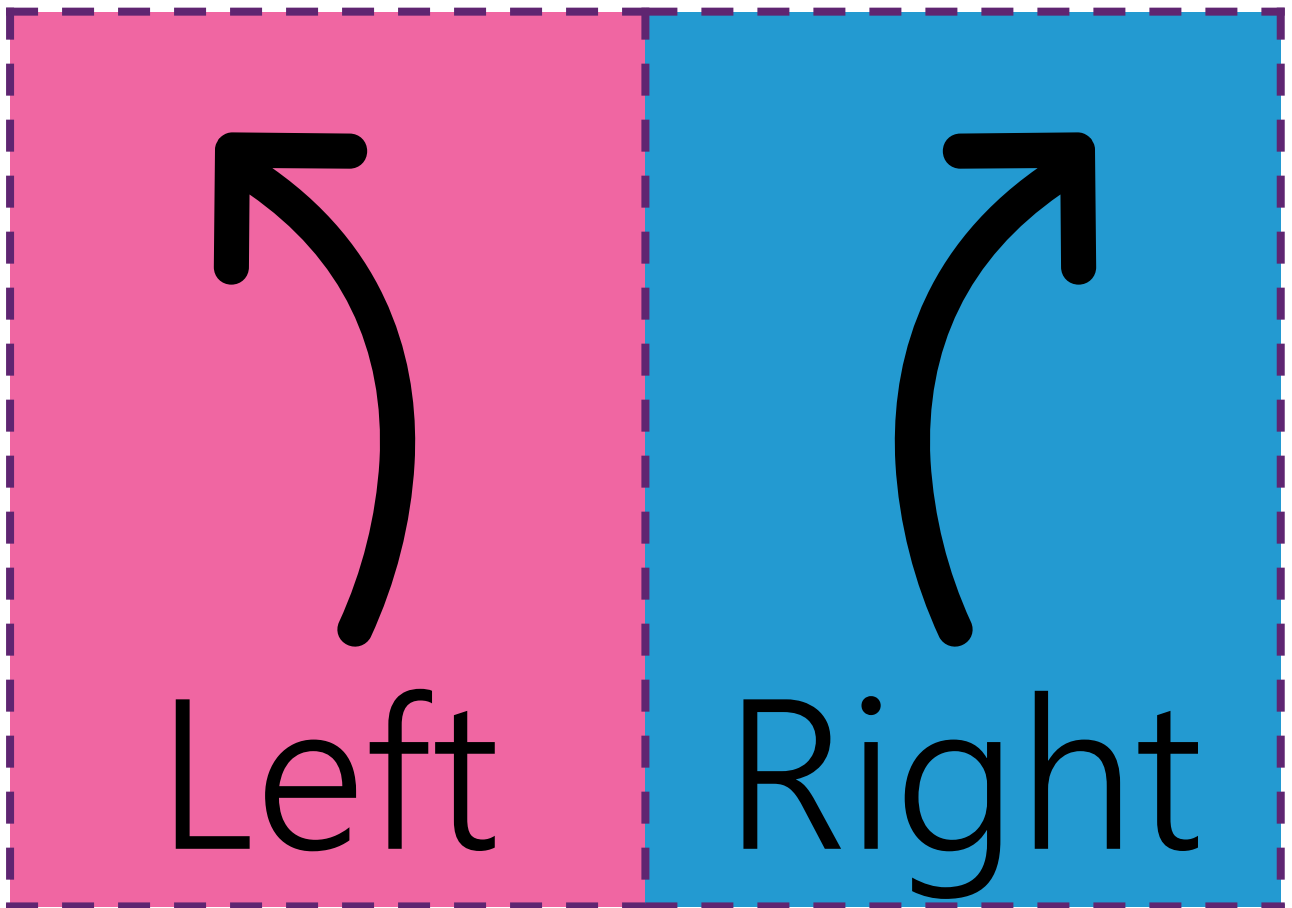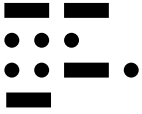
- **One person should be the coder**
- **One person should be the main character and bot who must receive and carry out the instructions**
- **Get your main character to their goal while avoiding obstacles**
- **Take turns being the coder and the bot**

Story Name: _____

Problem: _____					Algorithm