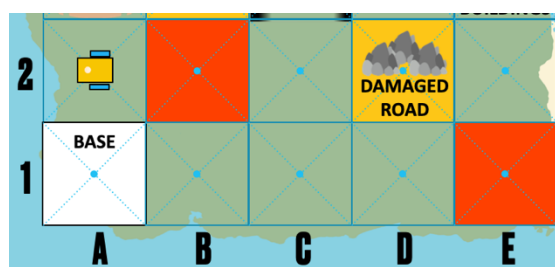


The Search...

Using the Colour Sensor

You have had reports from the Royal Navy and the Royal Air Force ground teams that there is a section of damaged road on the island and it is your mission to locate it – using the colour sensor on your Robot Rescue Vehicle. Once located report the Grid Reference to your team members using the LED Matrix to communicate the information. Good news! **You have received information that the RED Zones are now safe for your Robot Vehicle to travel across which will make completing this mission much easier.** Good luck!

SEARCH FOR THE DAMAGED ROAD



SEARCH 1

“SEARCH FOR THE DAMAGED ROAD”

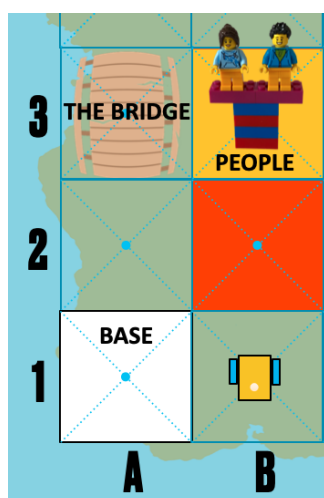
You need to:

Create a program named: **Search 1**
Design the program to:

START at GRID Reference A2
MOVE FORWARD and STOP when the COLOUR SENSOR senses YELLOW.
DISPLAY the GRID REFERENCE of the DAMAGED ROAD on the LED Matrix

SEARCH FOR THE PEOPLE

New reports from the Royal Navy and the Royal Air Force ground teams show that there are islanders in need of help. Their exact location is currently unknown. Using the Colour Sensor on your Robot Rescue Vehicle, locate which GRID REFERENCE the people are in. Report the Grid Reference to your team members using the LED Matrix to communicate the information.



SEARCH 2

“SEARCH FOR THE PEOPLE”

You need to:

Create a program named: **Search 2**
Design the program to:

START at GRID Reference B1
MOVE FORWARD and STOP when the COLOUR SENSOR senses YELLOW.
DISPLAY the GRID REFERENCE of the DAMAGED ROAD on the LED Matrix and DISPLAY a Happy Face on your robot.