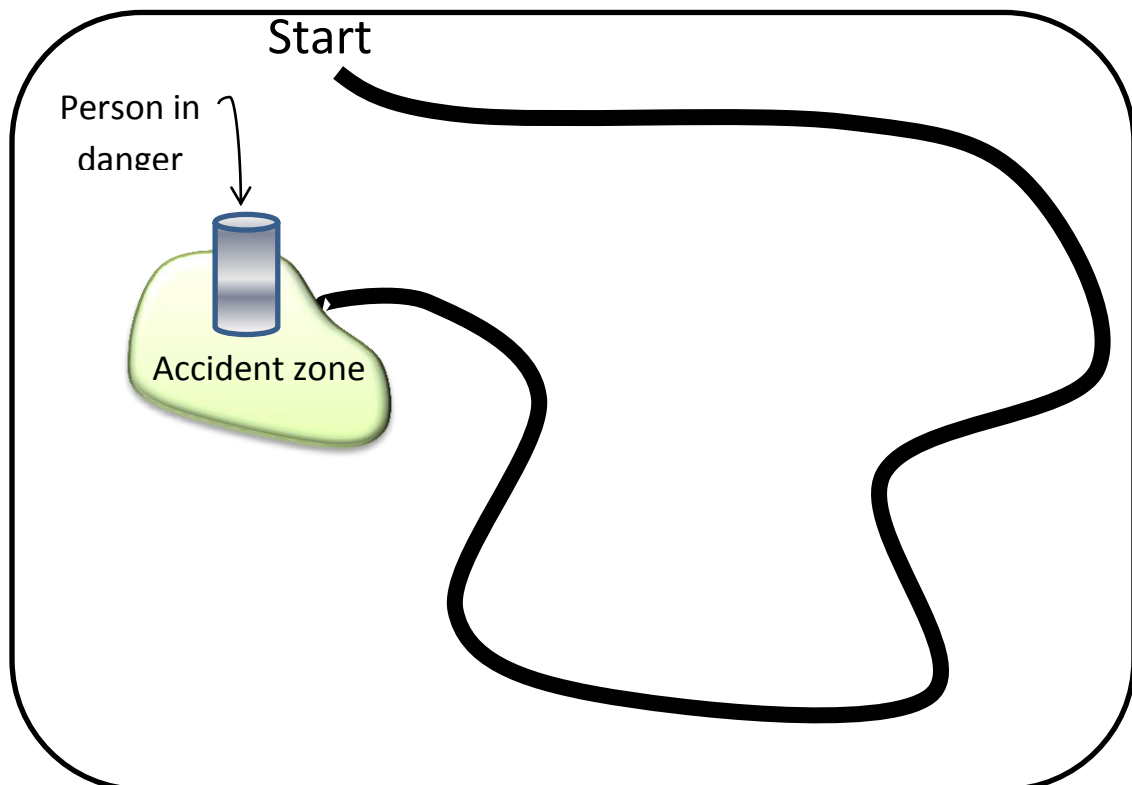# The Challenge...

Rescue Robot Saves the Day

The Problem: There has been a terrible accident, and it is too dangerous for a human to go in and rescue the person in danger. The only way to save them now is to send a robot in to the accident zone.

Task: Save the person who is in the accident zone using your robot.

The Solution: Using the programming knowledge and skills that you have developed, you will need to write a program that:

- gets the robot to the accident zone
- locates the person in danger
- removes the person from the accident zone

Use the following pages to show how you solve this problem.

Picture of the rescue zone map

SOLUTION:

1.   What is the problem that you need to solve?

_____

2.   How do you plan on solving the problem? Write a paragraph to explain the sequence of steps and decisions you plan on using.

_____

_____

_____

_____

_____

In the space below, design a program that you think will solve the problem.

3. *Using the computer, create the program to solve the problem. Print your program and paste it below. Make notes on your program to explain how it works.*

EVALUATION:

1. Does your program work successfully? _____

2. If no, explain why: _____

   _____

   _____

3. What changes could you make to your robot to make it more

   effective? _____

   _____

   _____

4. What changes could you make to your program to make it more

   effective? _____

   _____

   _____

PERSONAL PERFORMANCE:

1. How do you feel you worked as a team with your partner?

   _____

2. Do you feel that you worked effectively for the entire project?

   _____

   _____

3. What changes could you make to work more effectively in the future?

   _____

   _____

   _____

   _____