Activity 7

Interactive

Ahmed and Mariam are learning about the programming robots.

Help them to complete the activity below by filling in the blanks.

Use the words provided to fill in the blanks.

algorithm	selection	manual	graphical
flowcharts		instructions	

Robots only do what a person has built them to do. This means they have a set of ..... that they follow. An ..... is a set of instructions. Programmers use algorithms to plan programs before programming them. You can create algorithms by step-by-step instructions and .....

There are three basic building blocks (constructs) to use when designing algorithms and creating programs:

- sequence
- .....
- iteration

Robots can be programmed using .....programming, graphical programming and text-based programming. To manually program a robot, you can use the buttons on a robots control unit. Using ..... programming software, blocks can be dragged, dropped, and connected to program a program a robot.

LIVEWORKSHEETS