

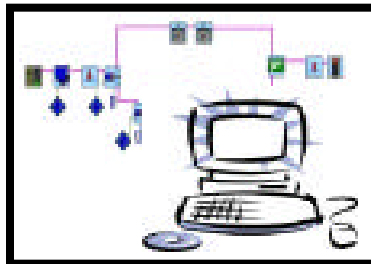
ROBOTICS is SCIENCE:

to solve a problem you design, build, program, test and refine the robot.

A robot is a machine whose behavior can be programmed. A robot does work on its own, automatically. The robot's action is called output. The behavior can be movement, lights or sound. A robot needs input to know when to act. Information about conditions comes from sensors (light, touch, angle, temperature.) The program tells the robot what to do and when to do it. You can do the programming with a language called Robolab. To learn the skills well enough to excel requires the use of mathematical logic and sequencing, reading skills, scientific process skills, creative thinking..... and..... practice, patience, and persistence.



define the task or problem, design and build the robot



create the program for the robot



download program to the robot RCX using IR (infrared transmitter)

The real problem is not whether machines think, but how we think!

Robot Rules

Everything the robot knows, it "learns" from us.

A ROBOT is a SYSTEM

IF... it does not do what it is told, do not blame the robot.

Robot Rules

The robot is no better than its program.

