

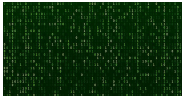






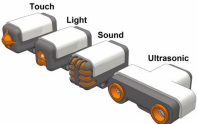


ROBOTICS & PROGRAMMING VOCABULARY

Not all Robots are "intelligent" and hence not an "Artificial Intelligence"!



TERMINOLOGY	DEFINITIONS
ALGORITHM 	Step-by-step sequence of instructions to perform a task or solve a problem
ARTIFICIAL INTELLIGENCE 	Artificial Intelligence, AI, is a broad term that describes machines programmed to think, work and react like humans
BINARY 	A numeric system using only 2 digits - 0 and 1. Computers operate in binary storing data and performing calculations using only 0 & 1
BUG 	An error in a program that prevents it from running as expected
CODING 	Writing lines of code in a language (syntax) that a computer can understand
COMPUTER SCIENCE 	The field of study of computation and information, using the power of computer to solve problems
DEBUGGING 	Finding and fixing problems in the algorithm or program.
PROGRAM 	A full sequence of instructions that a computer can execute
ROBOT 	A machine that does work by itself following a set of rules programmed on a computer
SENSOR 	A device that responds to physical stimulus such as color, direction, or pressure