

The Cool Workshop

3/16/02

Goal

- To get you fully ROBOLAB literate
- To find better ways of having the science center support local schools
- To have tea at 10:30 (for Sheela)

Administrator

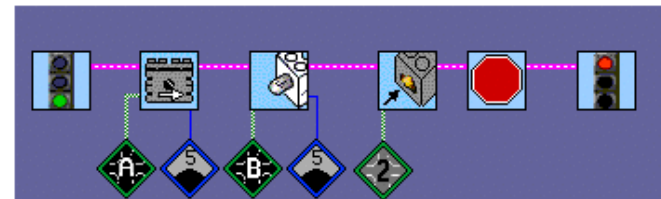
- COM ports
- Themes
- Advanced RCX controls

Inventor Part 1:

- Go to inventor level 1
 - Figure out what the code does (use the help menu)
 - Change the motor direction



- Go to inventor level 2
 - Notice the modifiers
 - Change the channel on the motor

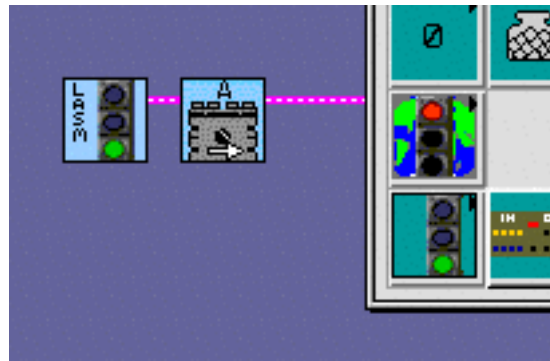


Inventor Part 2

- Write an inventor program that
 - Turns motor A on for 2 sec
 - Stops
 - Turns motor B on for 1 sec
 - Stops
 - End program

See LASM

- Change the start sign to LASM
- View LASM code



1st challenge

- Make a line follower
- Make the line follower go for 10 sec then stop (use multi tasks)
- Make it play a tune after it stops

Rude Behavior

- Command your neighbor's robot to stop

The Dog

- Make the motor speed a function of the light intensity.
 - Speed goes from 0 to 7 for 30% to 80%
 - Speed goes from -7 to 7 for 30% to 80%
 - Send out speed over the IR - have an imitator
 - Send the program over the internet

Challenge 2

- Zombie attack
 - You send out your #
 - If you get hit by another number - you assume it
 - Show your number on the alphanumeric display