Configuring a Sensor

(tell your NXT what is plugged into it. and where)

Suppose we have an NXT with a light sensor connected on port 3. How do we tell Enchanting this?









Differential Drive

(lets your two-wheel robot drive around)







DO IT!









DO IT!





YOU NEE eds an NXT with tw

Each competitor needs an NXT with two driving wheels, an ultrasonic sensor, and a light or colour sensor.

Enchanting 12A http://enchanting.robotclub.ab.ca

THE PLAN If it has nothing better to do, the robot wanders around. If it sees a foe ahead of it, the robot attacks, trying to push the enemy out of the ring. Most importantly, if it sees the edge, the robot retreats from it, in an effort to stay in the ring.

Card #5.

Sensing Configure Sensors

an ultrasonic sensor and a light/colour sensor.

Create a bunch of costumes for your sprite, using the text tool to display the following words in large letters, "Countdown", ______ "Wander", "Attack", "Retreat" and "Press Button to Start".

Variables \rightarrow Make a variable. Create variables named "next action", "foe ahead", and "sees edge".



Sumo

Wander

Configure

