DIY Tollbooth

In this Activity, First We will construct a DIY Tollbooth and then make it open and close whenever we press tactile switch by programming it inside the PictoBlox.
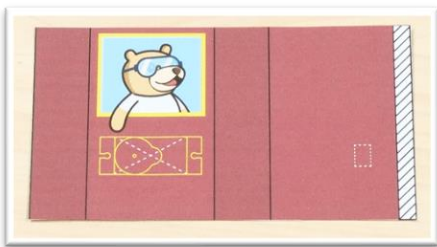
COMPONENTS REQUIRED

evive, servo motor, Tollbooth's cutout, USB cable, Laptop/PC

NAME . . . .

CLASS & SECTION . . . .

STEP 1: Cut out the tollbooth and barricade structure using a pair of scissors.

STEP 2: Cut and Make the spaces to fit the servo motor .Fold the flaps in downward direction.
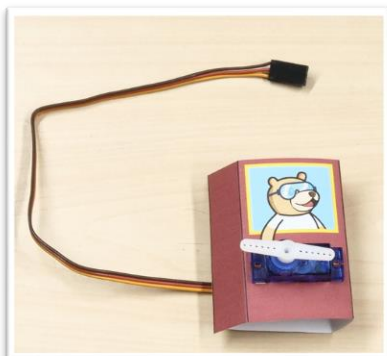

STEP 3: Fold the tollbooth structure, Fit a servo motor inside it and Glue the open end as shown in figure.

STEP 4: Connect servo motor at servo channel 1, i.e. S1. and set angle to 0 degrees.

STEP 5: Attach the servo horn and fix the barricade using tiny screw.

Note the color of three wires of Servo. Brown wire will go towards left in evive.

Servo

STEMpedia
THESTEMPEDIA.COM

1, Set the Servo angle

set servo on Channel 1 ▾ to 90 angle

wait 1 seconds

2. Make the Logic

if [tactile switch 1 ▾ pressed?] then

set servo on Channel 1 ▾ to 90 angle

wait 1 seconds

else

set servo on Channel 1 ▾ to 0 angle

3. Finalize the Script

when 🚩 clicked

forever

if [tactile switch 1 ▾ pressed?] then

set servo on Channel 1 ▾ to 90 angle

wait 1 seconds

else

set servo on Channel 1 ▾ to 0 angle

CHALLANGE Which palette contains the "if-else block"?

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