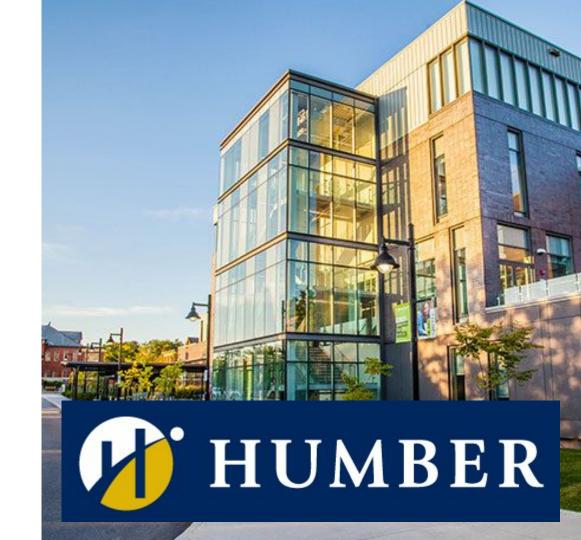
Team Gringotts

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Gringotts Bank

Gringotts Wizarding Bank

Set #76417





The LEGO Group. (n.d.). Gringotts™. Retrieved 2022, from https://www.lego.com/en-ca/product/gringotts-wizarding-bank-collectors-edition-76417.

Module Description

The Dragon of the Gringotts Bank is ALIVE! This module will have the Dragon flap its wings and move its neck. (Maybe also breathe fire, one day!)



Sensors and Motors

This set would require 2 small motors: 1 for each wing and 1 for the neck.



Variables/Settings

Status: Can be set to "on" or "off". When on Weasley's hap will tip every ten minutes.

Interval can be changed.

IOT Loop

Wings

While ON

If WINGS are in down position (position 0) start motor slow and bring wings up

Else if counter is 5s stops motor

Else if Wings up wait 4s star motor slow counter-clock wise (goes back to position 0 or down)

NeckWhile ON (true)

If NECK is on facing right (position 0) star motor slow and turns to the left

else if counter is 6s stops motor

else if neck is left wait 3s start motor counter-clockwise (slow) move neck back to position (0)

