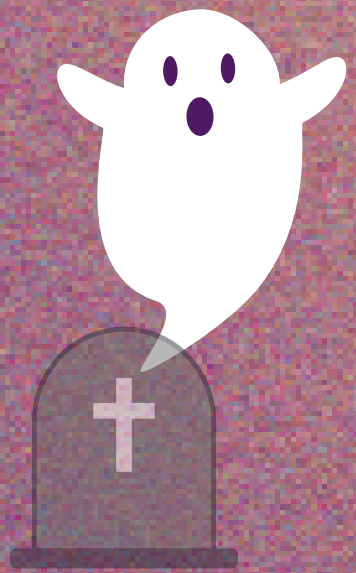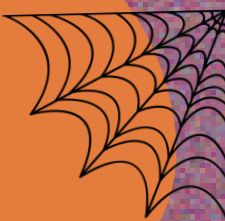# THE CURSED GRAVE

"HOW TO BUILD IT"

1

GET A BOX AND DRILL SOME HOLES ON ITS SURFACE (10 HOLES)

*MINIMUM SIZE RECOMMENDED: 15 X 25 X 10 CM

2

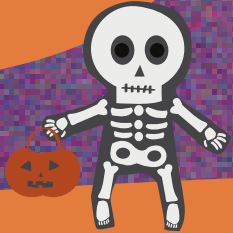TURN IT AROUND AND GIVE IT THE DECORATION DESIRED...(AS SPOOKY AS POSSIBLE)
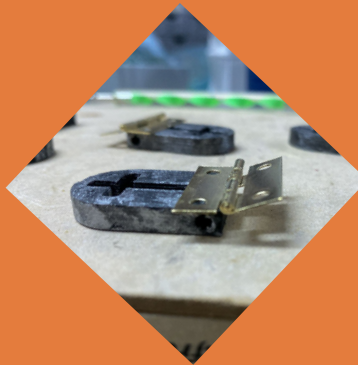

3

PRINT 7 UNITS OF THE 3D MODEL ATTACHED IN THIS SECTION AND PAINT IT AS YOU LIKE...

*IT'S A .SLDPRT FILE

4

GLUE THE 7 GRAVES TO THE HINGES AS SHOWN IN THE PICTURE, DISTRIBUTE THEM AROUND THE GRAVEYARD AND SCREW THEM TO THE SURFACE.
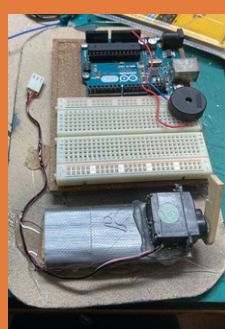

5

PLACE A PUSHBUTTON THROUGH SEVEN OF HOLES DRILLED ON STEP 1*. WHEN YOU FOLD THE HINGE, THE GRAVE MUST FALL ON TOP OF THE PUSHBUTTON.

*THE IMAGE SHOWS THE UNDERNEATH OF THE BOX.

6

ON THE INSIDE OF THE BOX PLACE ALL THE OTHER ELECTRICAL COMPONENTS AND GLUE THE SERVO-MOTOR

7

PLACE AND GLUE THE TWO LEDS THROUGH THE TOP TWO HOLES (STEP 1) OF THE SURFACE WHERE YOU CAN SEE THEM CLEARLY*...THEY MUST SNEAK OUT ON THE TOP FACE!
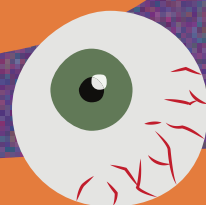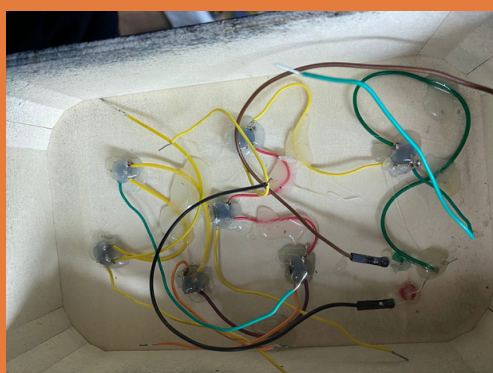
*THE IMAGE SHOWS THE UNDERNEATH OF THE BOX.

8

CONNECT* ALL THE COMPONENTS AND BUILD THE ELECTRICAL SCHEME SHOWN IN THE PREVIOUS SECTION (TINKERCAD).

*USE LARGE CABLES TO FACILITATE THE CONNECTIONS.

GRAB THE FLAG AND GLUE IT TO THE SERVO.MOTOR IN A HORIZONTAL POSITION. IT WILL RISE WHEN YOU WIN!

9

PUT THE GRAVEYARD (COVER) ON TOP OF THE BOX CONTAINAIN THE ARDUINO ONE BOARD AND YOU'RE READY TO PLAY!!

10

TRICK OR TREAT

HAPPY HALLOWEEN!

BUILT BY:
POL DE MORA
RAFA VIÑAS

ELISAVA
Escola Universitària de Barcelona
Disseny i Enginyeria