

## Programming

Yuhuiii, we hit the can. This gives us 1 point.

The can hops when it gets hit.

```

when I receive hit
  change points by 1
  point in direction pick random 1 to 360
  set y to y position + 100
  change x by pick random -50 to 50
  if direction < 90 then
    change x by join direction / 50
  if direction > 90 then
    change x by direction / 50
  
```

When receiving GameOver message, the game is finished

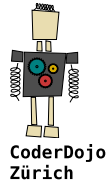
```

when I receive GameOver
  hide
  stop other scripts in sprite
  
```

### Next steps

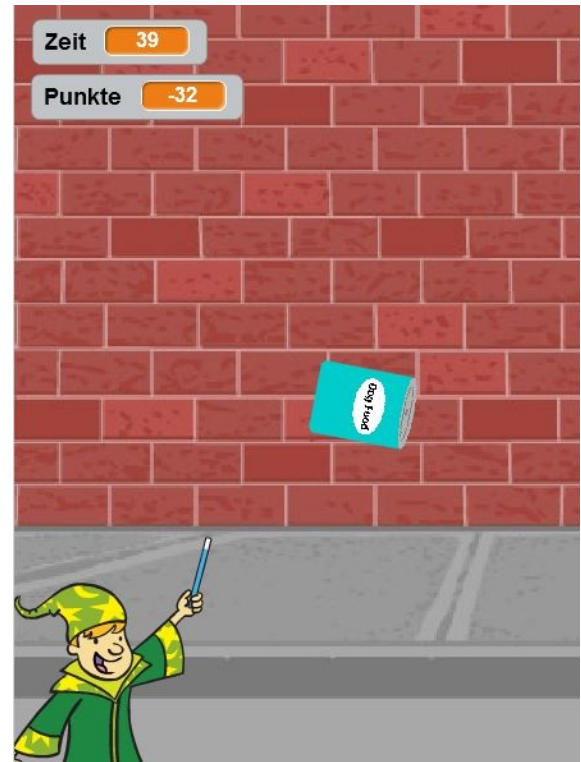
- Change points or speed
- Let the wizard move around
- Sometimes the can is small and sometimes big

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## Shooting cans

Try to shoot down the cans with a lightning as many times as possible



## Programming

When the lightning misses the target, it goes back to the wizard

```

hide
go to x: 200 y: -156
point in direction 0
  
```

After receiving GameOver message, the game is finished

```

when I receive GameOver
  hide
  stop other scripts in sprite
  
```

### Next steps

- The wizard jumps up when the can is hit
- The wizard says "hit"
- The lightning changes to fire when it hits the can
- A music plays or an explosion is heard

## Programming

When clicking on the green flag, we set the time, velocity, points and much more

```

Data | More Blocks
Make a Variable
  falling speed
  points
  shooting direction
  time
  velocity
when green flag clicked
  set time to 60
  show variable falling speed
  set points to 0
  show variable falling speed
  set falling speed to -0.2
  set velocity to 10
  
```

Then we set the countdown clock that goes from 60,59,58,57...to 0 (Game Over)

```

repeat 60
  wait 1 secs
  change time by -1
broadcast GameOver
  
```

# Shooting cans



Aim at the can. Click the mouse button to shoot a lightning at the can

When you hit the can, then you receive one point.

Within 60 seconds hit as many cans as possible.

## Preparations

You will need for the game:

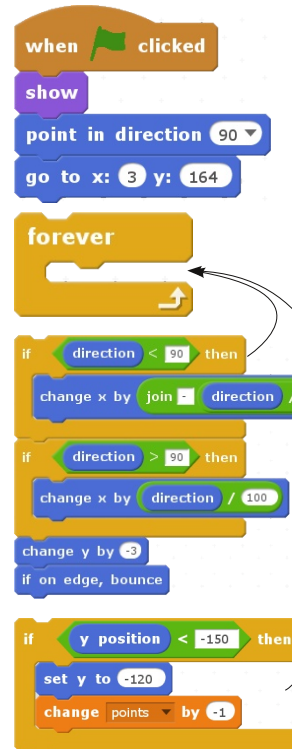
- a can, 
- something to aim with, 
- a wizard and a lightning 
- and a cool background. 

Pick the sprites from the library or draw them yourself.



## Programming

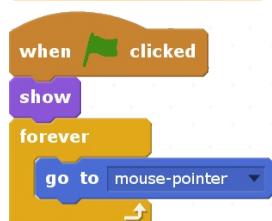
First show the can on the screen



The can bounces around. Over and over again.

Hahaha, 1 point less when the can hits the floor

## Programming



The targeting scope follows the mouse pointer

Here we go!



Click on the green flag and the targeting scope will follow the mouse pointer in all directions.

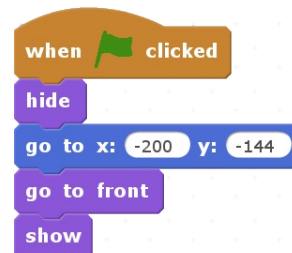
## Programming



When the game is over, everything stops



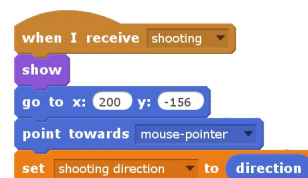
## Programming



We are putting the wizard in the corner of the screen



## Programming



The lightning starts at wizard's position and moves towards pointer

When we miss the can, the lightning moves to the edge. When the lightning hits the can, we send a message.

