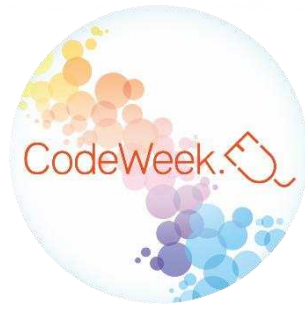




EU Code Week 2023

October, 2023

Earth day coding

What do you need?

For the classroom:

- video projector (or smart board)

For each student:

- a computer with Internet access or a computer that already has Scratch software installed (it is useful to have a Scratch tool icon on the desktop)

- computer mouse.

Learning space

School or computer classroom

ACTIVITY 1.

Google Logo

Unplugged coding

Lesson plan / Lesson scenario

Authors: Tihana Modrić, Martina Galić

Students are tasked with creating a Google Logo for Earth Day.

LINK: <https://csfirst.withgoogle.com/c/cs-first/en/create-your-own-google-logo/create-your-own-google-logo-for-earth-day/create-your-own-google-logo-for-earth-day.html>

ACTIVITY 2.

Drawing Challenge - Pixilart
Unplugged coding
Lesson plan / Lesson scenario
Authors: Tihana Modrić, Martina Galić

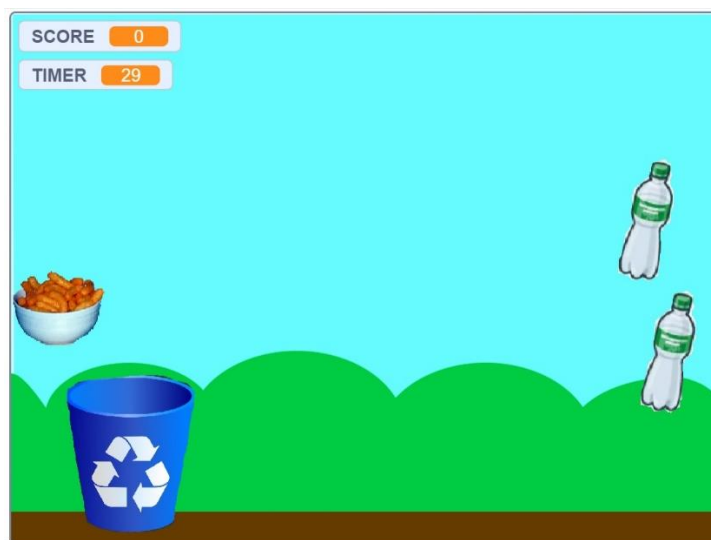
Students create a picture in <https://www.pixilart.com/> related to Earth Day.

ACTIVITY 3.

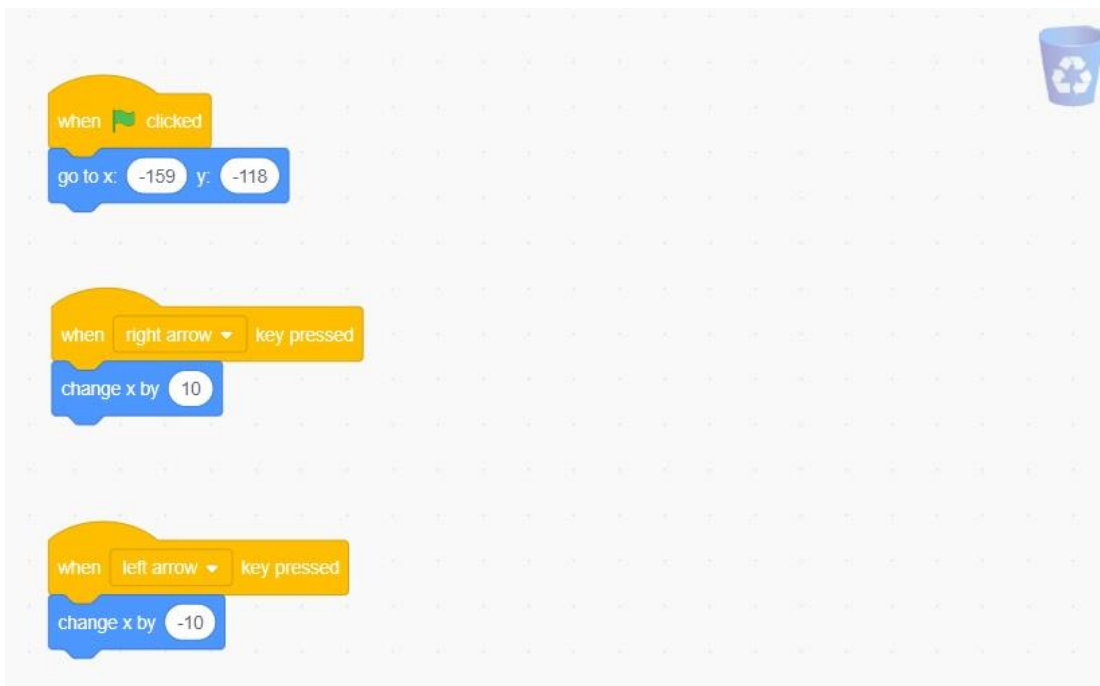
Earth day game
Scratch
Lesson plan / Lesson scenario
Authors: Tihana Modrić, Martina Galić

Students discover various movements in Scratch. Learn to create challenges, a scoring system, sound effects, and more!

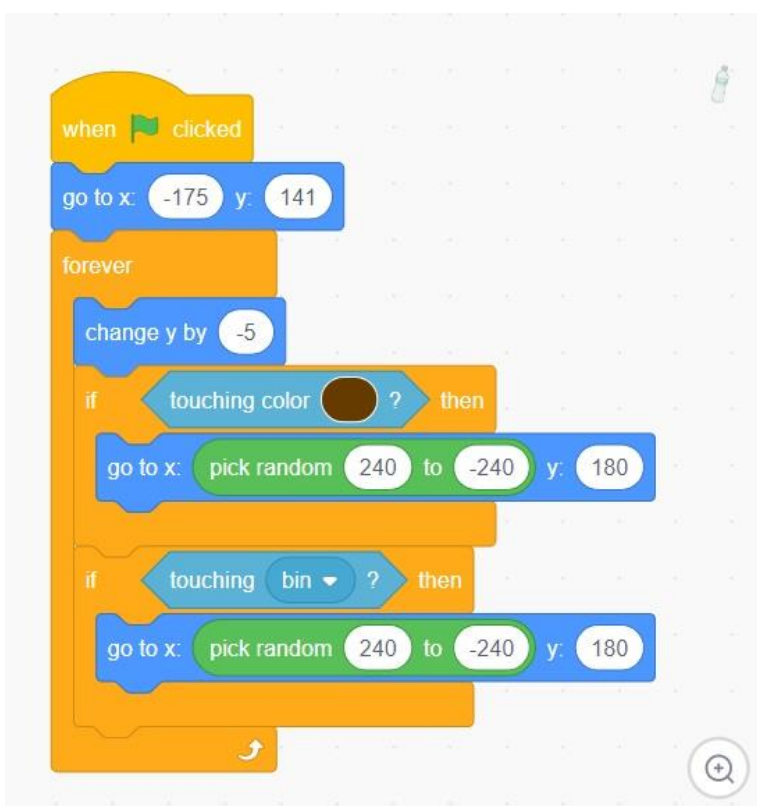
Here is one example.



1. Setting up a recycling bin.

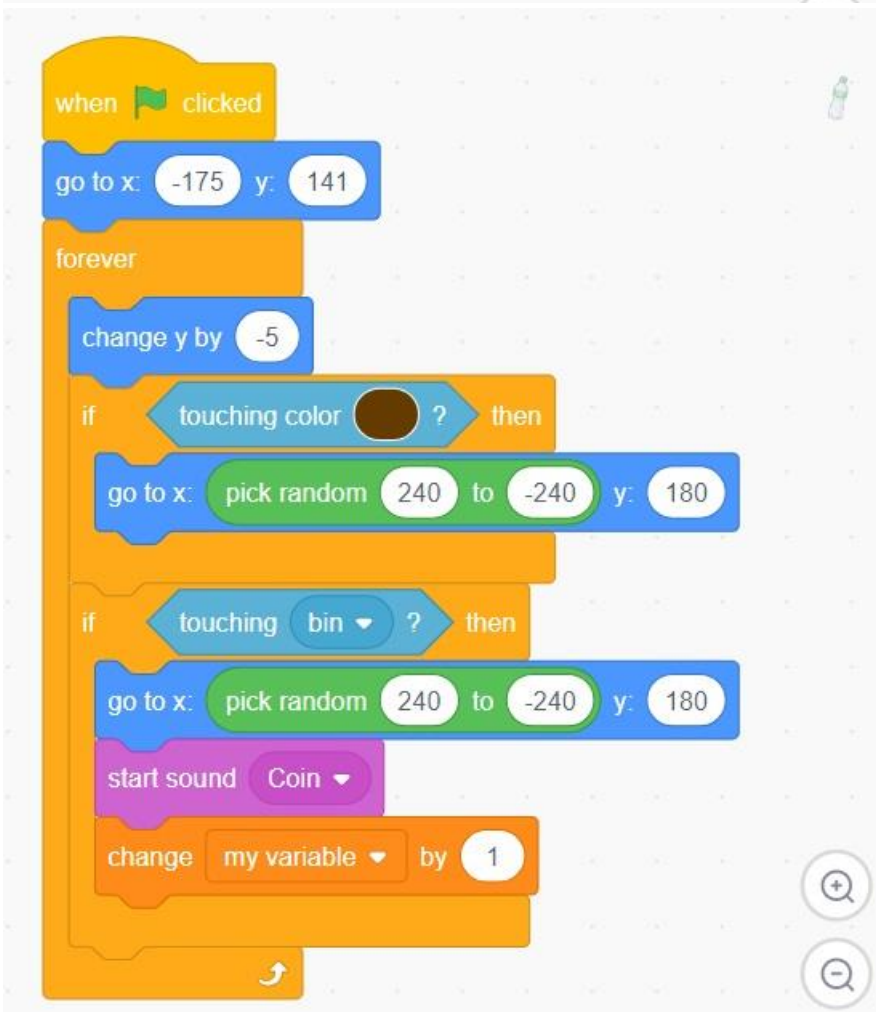
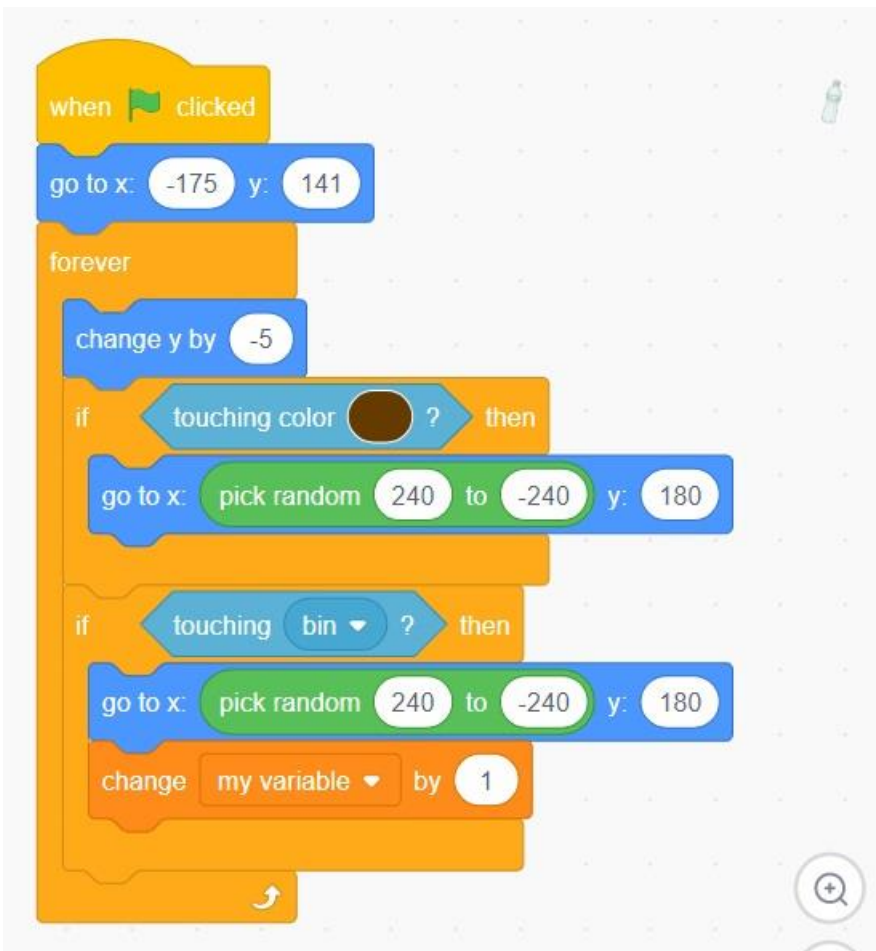


2. Setting up the bottle

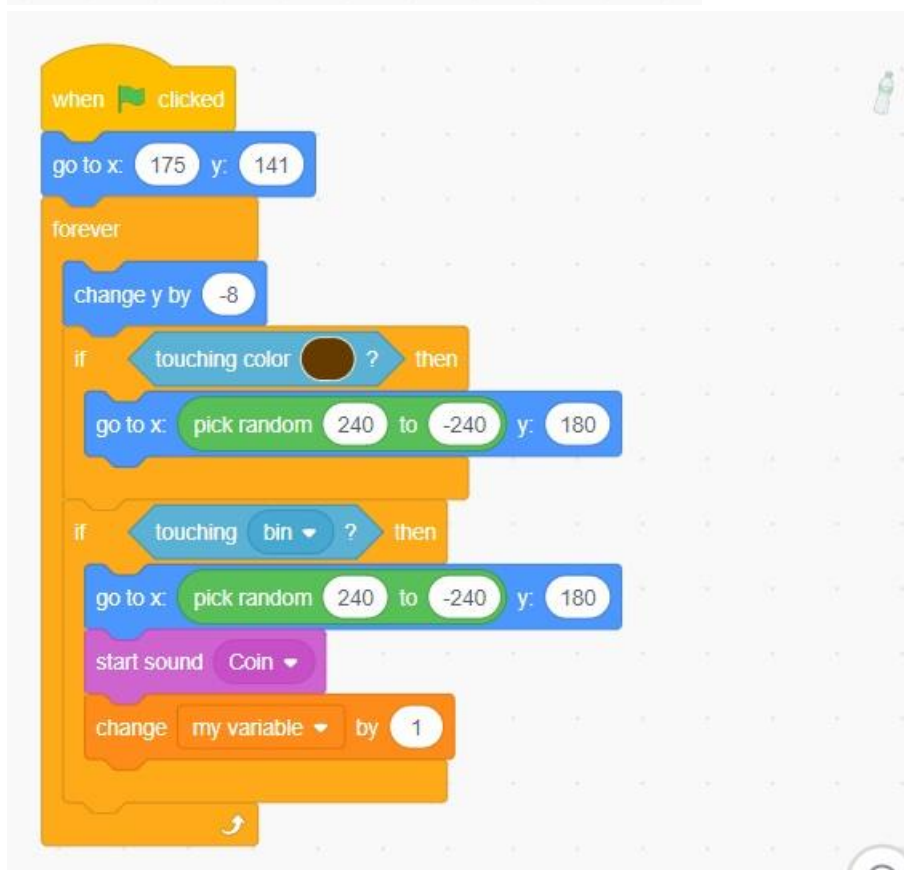
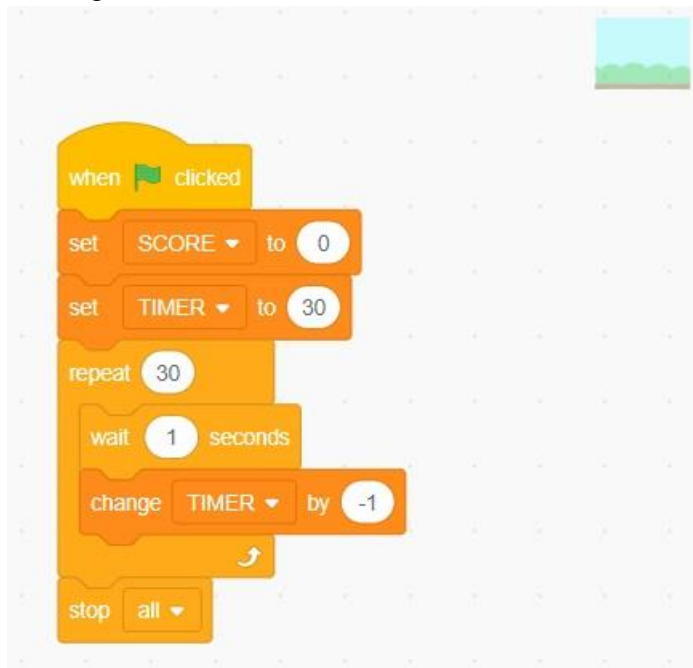


3. Setting points.





4. Setting time.





when  clicked

go to x: 175 y: 141

forever

change y by -8

if touching color  ? then

go to x: pick random 240 to -240 y: 180

if touching bin  ? then

go to x: pick random 240 to -240 y: 180

start sound  Oops 

change my variable  by -1