**SCRATCH** + **LEAP MOTION**

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# A lot of fun!

# About SCRATCH
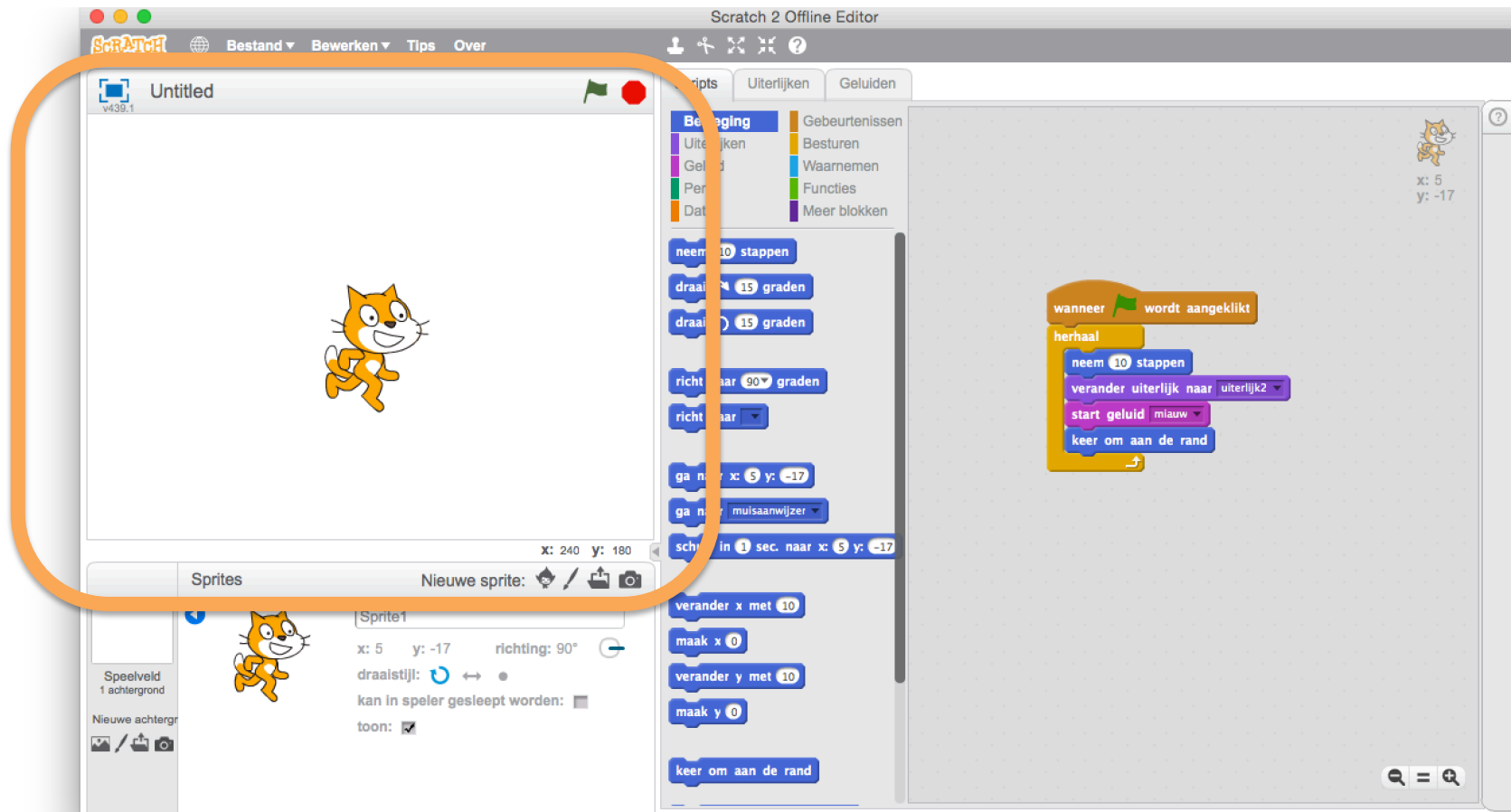
Scratch is a **programming language**

You can create:
- Interactive stories
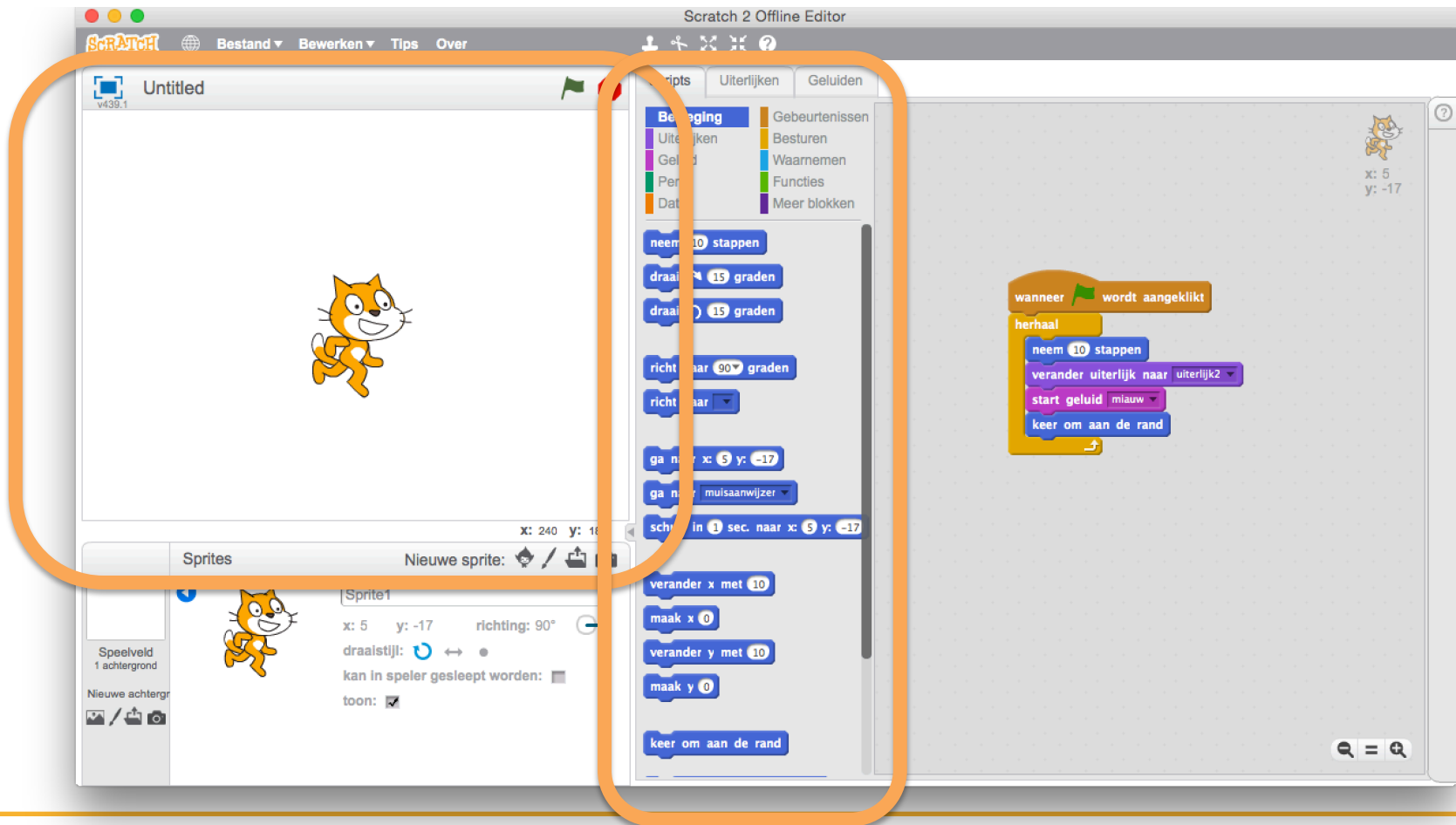- Animations
- Games
- Music
- …

# The art of programming

- a program instructs the computer to do stuff

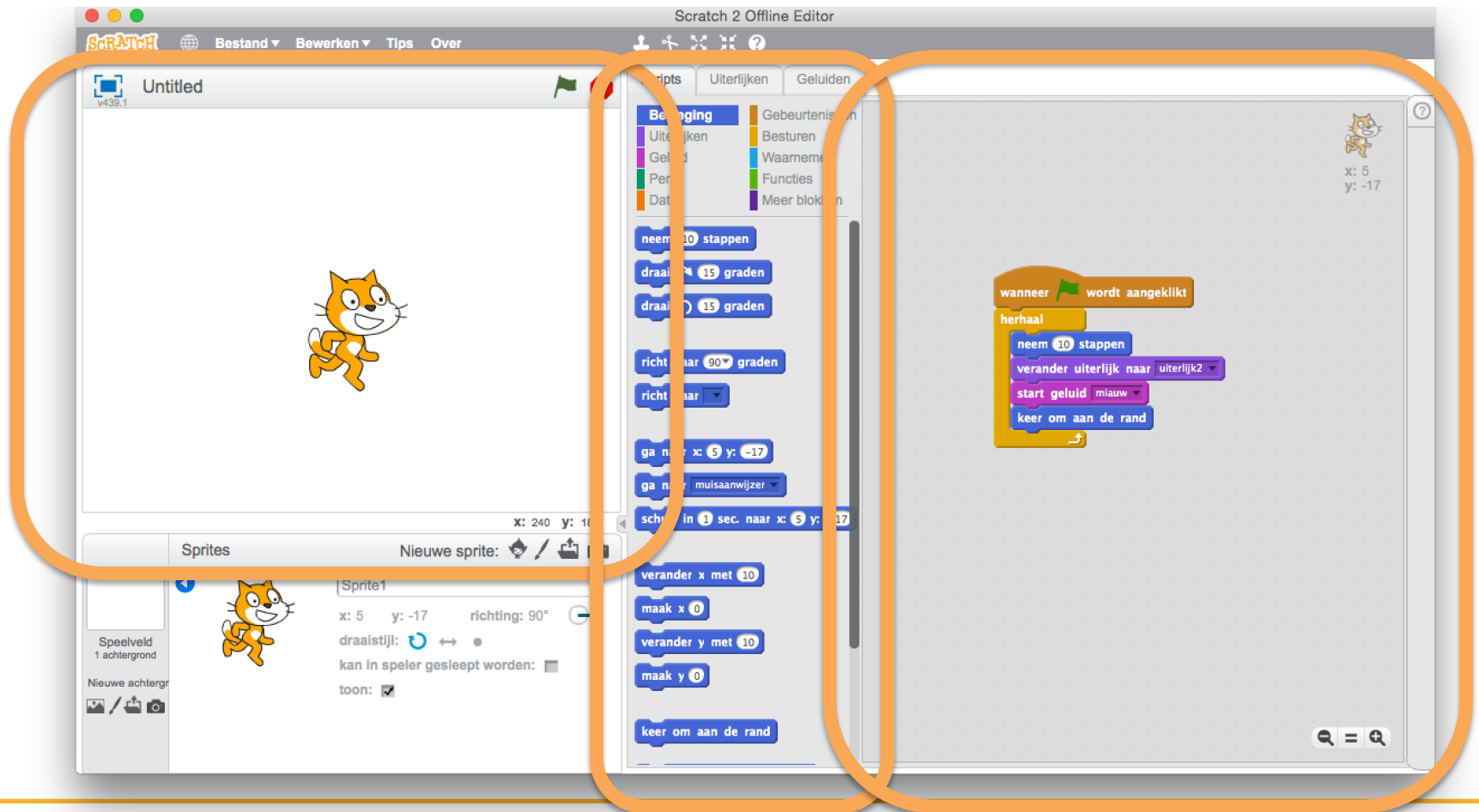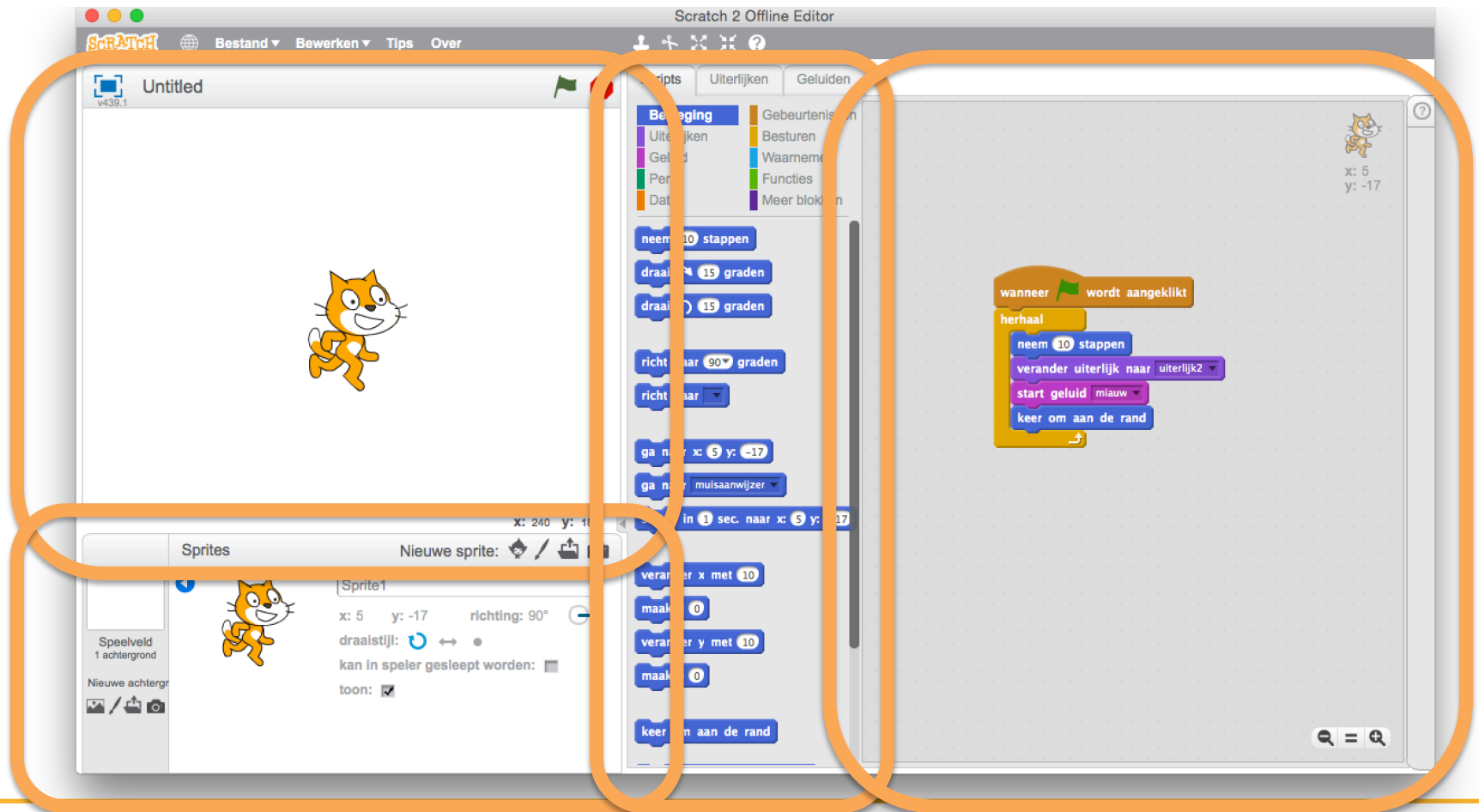- Add simple instructions together and..

## magic happens (we hope...)

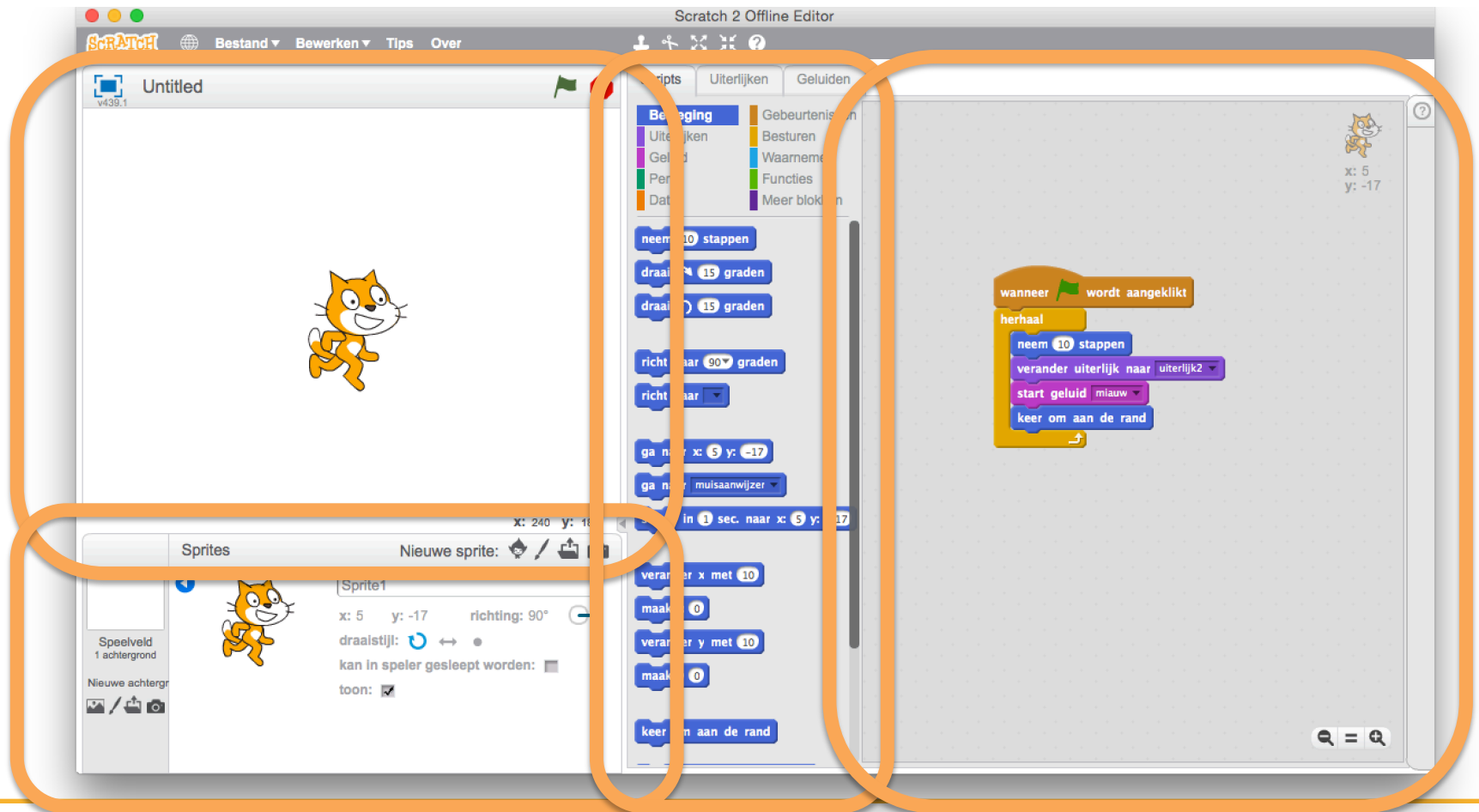# How? with building blocks

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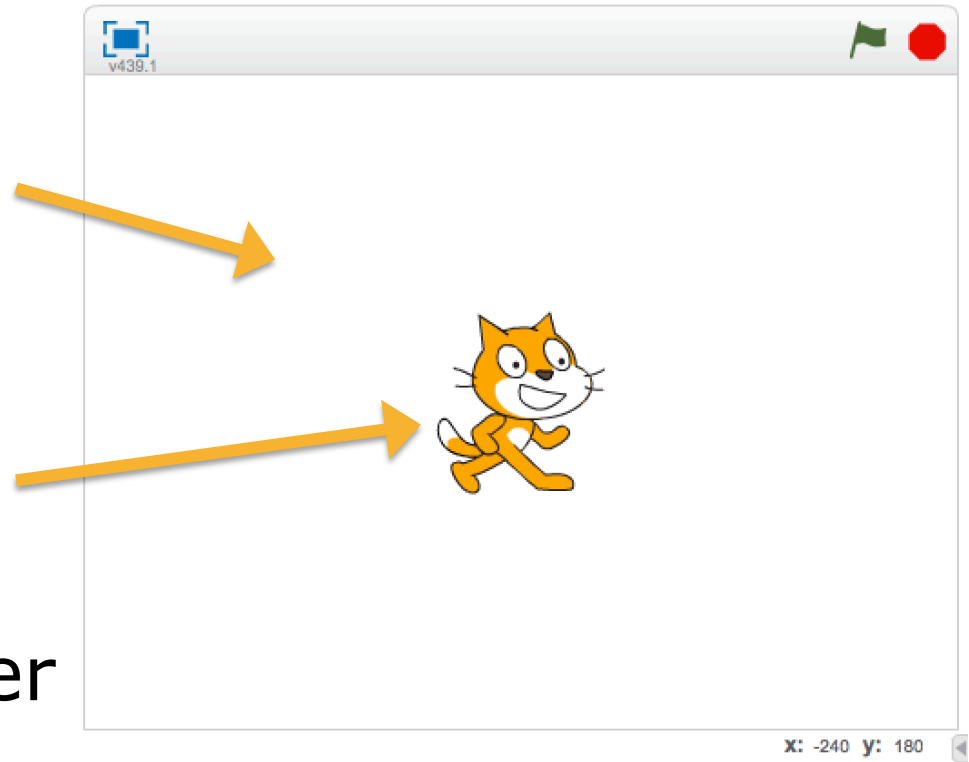
# How? with building blocks
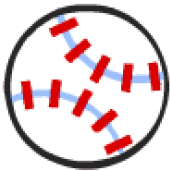


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# How? with building blocks

# The stage

- The **stage** is were your imagination comes to live
- **Sprites** can:
  - move
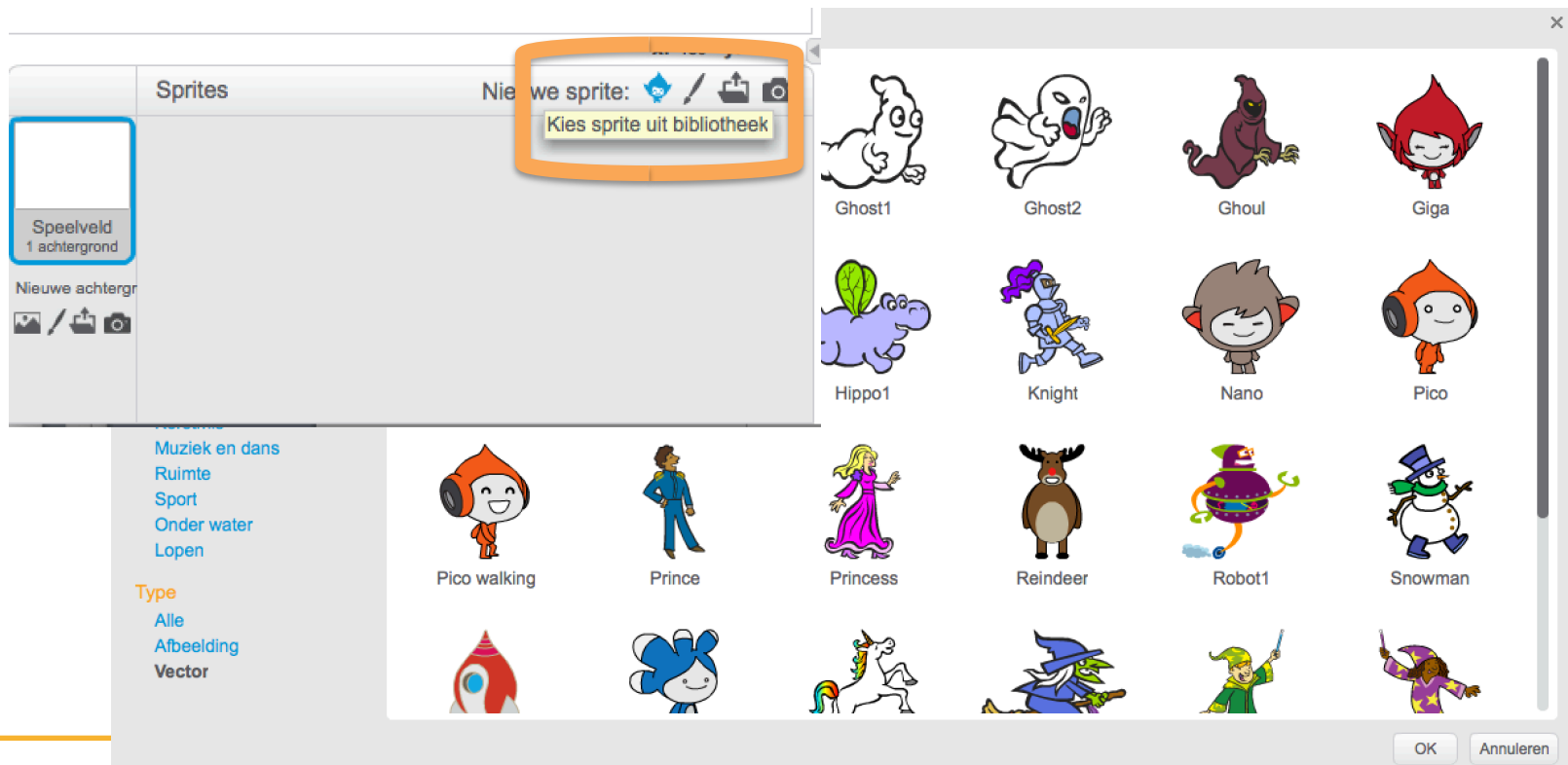  - talk to each other
  - interact

# Sprites: your imaginative characters

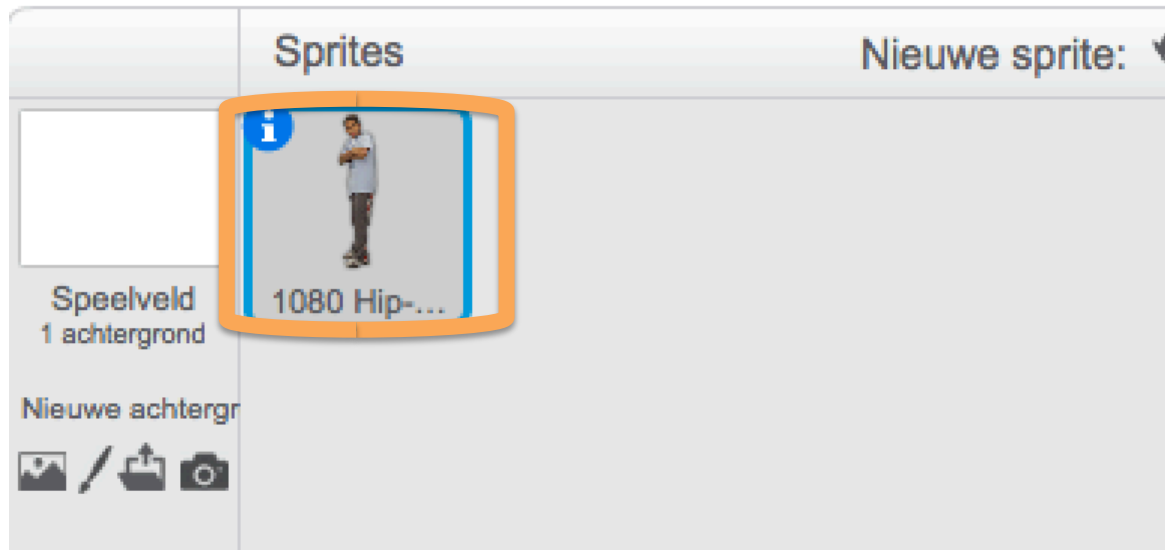You can place sprites on the play field like these:

# Sprites: choose your own

You can make your own or choose one from the library

# Sprite information

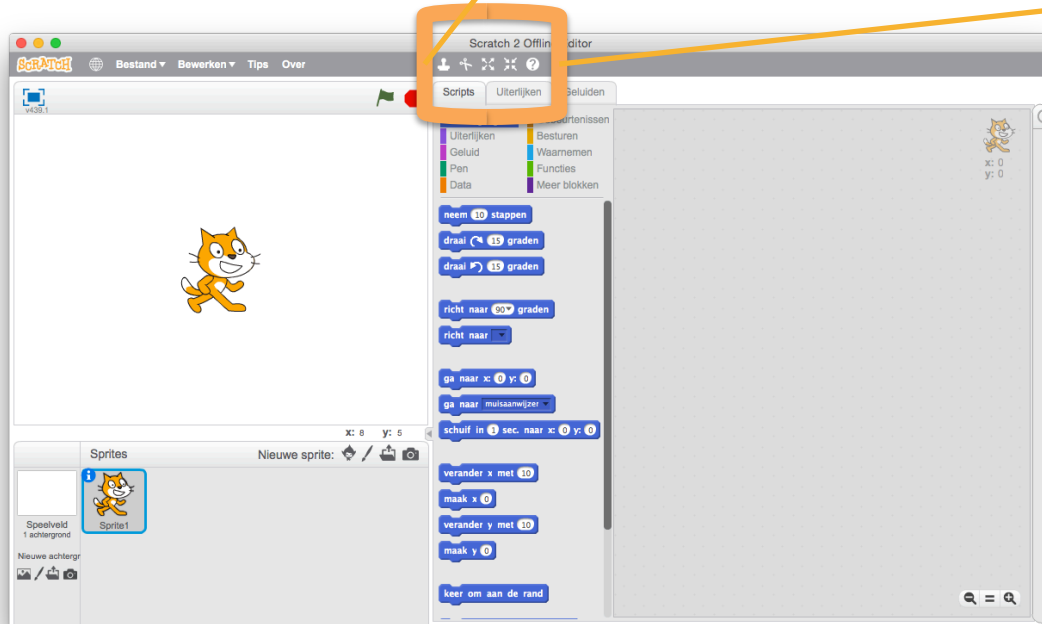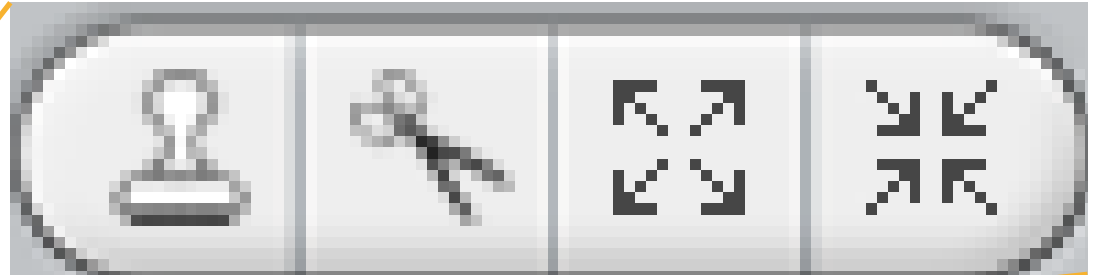extra sprite information is hidden behind the image
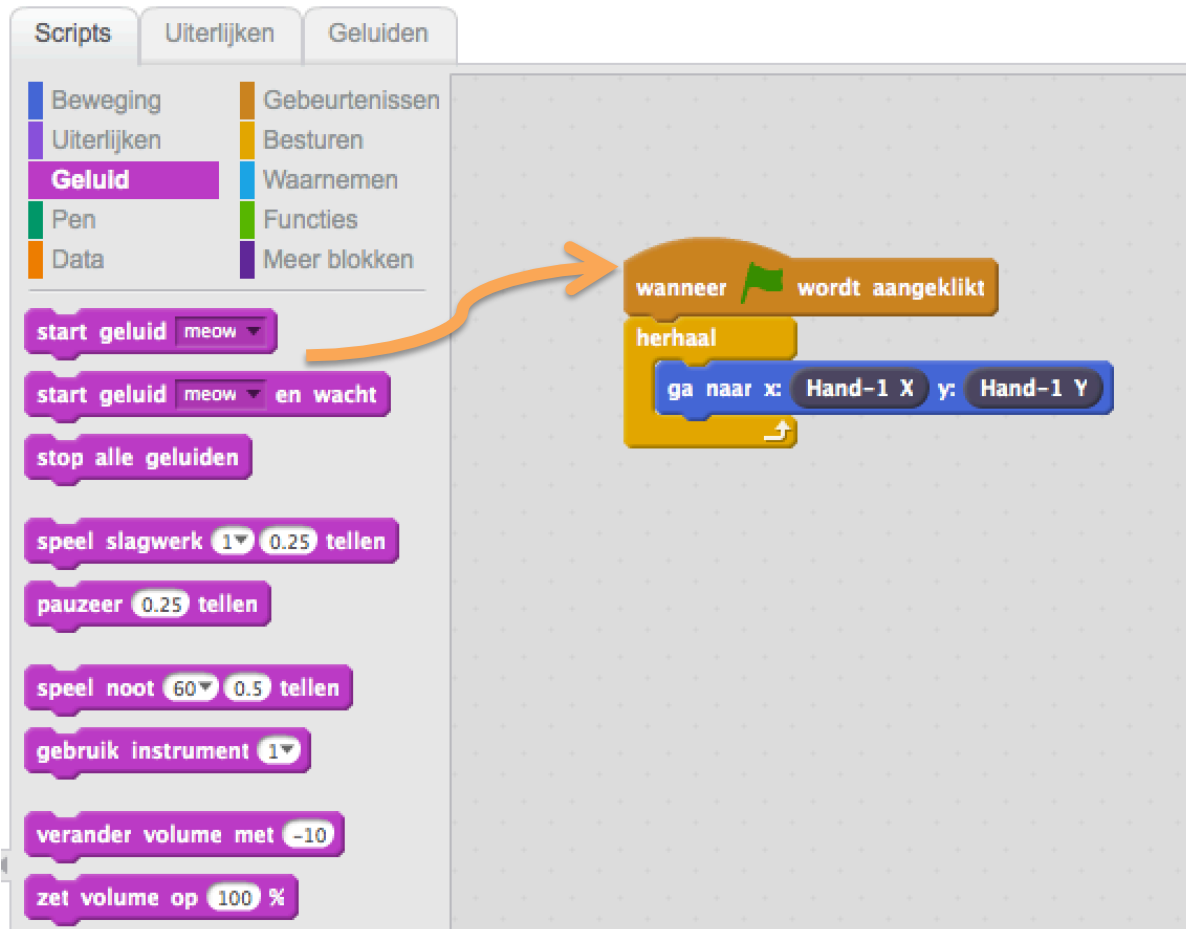
# Sprite information

you can change the
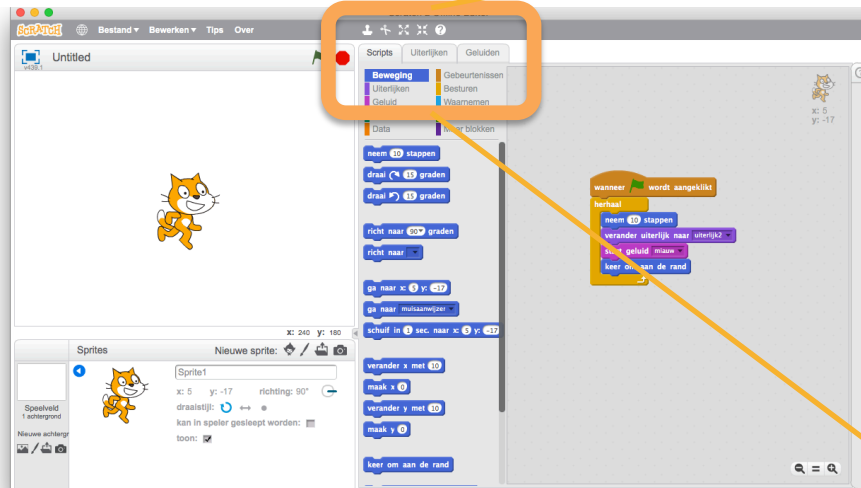
- name

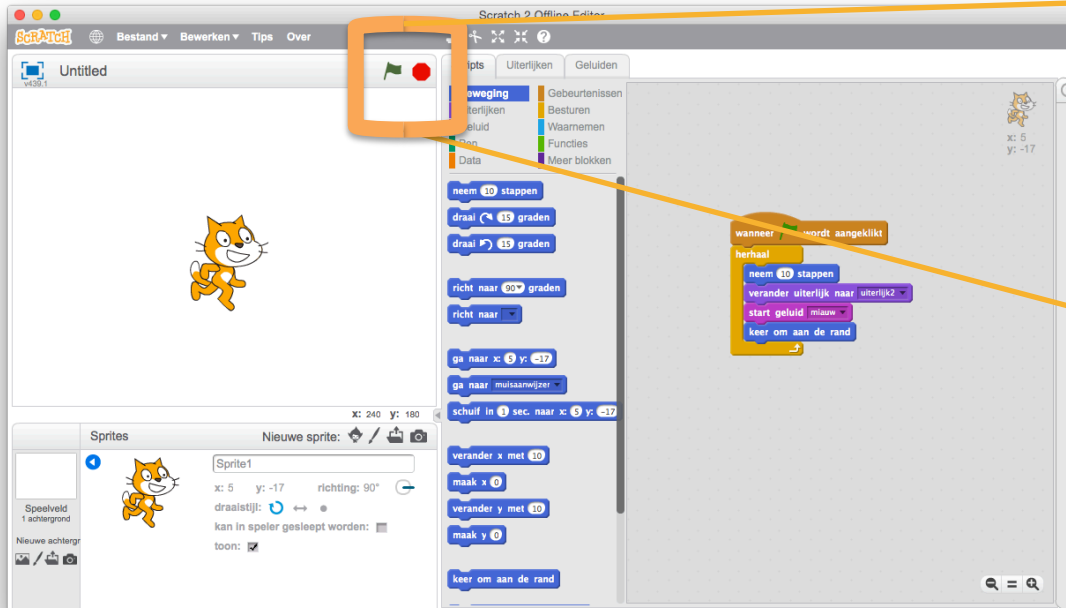- position

- movement

- ...

# Task bar

# Programming



Drag and drop the building blocks into the execution area

# Costumes

# run your program



Start

Stop
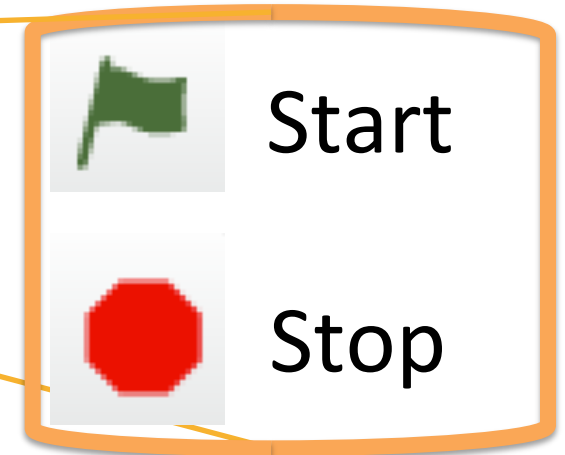
# Imagine
# Create
# Share

https://scratch.mit.edu/

# Leap motion

# What is it?

- Small device connected to your PC

- It looks at your hands if you move them around the device

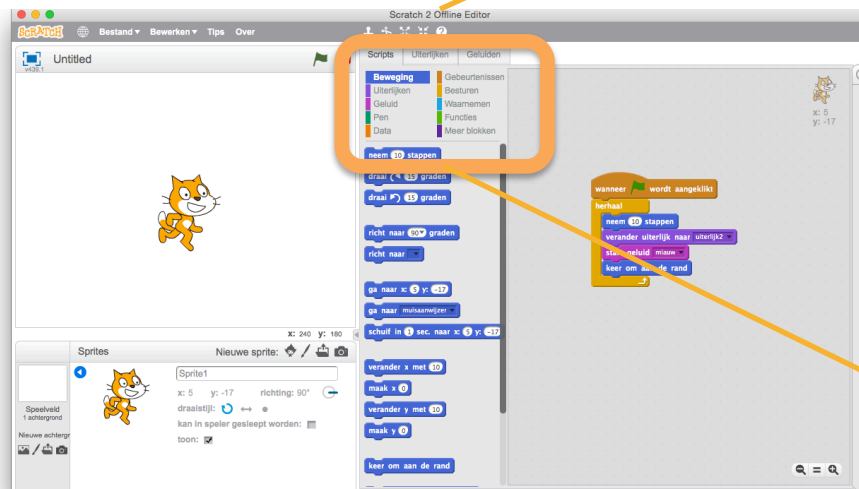- It determines the position of your hands and fingers

# Leap Motion

## Demo

# What can you do with it

- Browse the internet
- playing games
- scale maps and images
- draw
- examine virtual 3D objects
- …
- …
- use it with SCRATCH

# Leap motion building blocks



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# Let's start!

Open '2 - Assignment 2.pdf'
and read the instructions

# Order of assignments:

1. Assignment 2
2. Bongo Drum
3. Basketball
4. Diver
5. Balloon Pop

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