
DDO loops into coding



ACADÉMIE PRODIGI

www.academieprodigi.com

Mathieu Charbonneau
Madeleine Bousquet

Is a computer smart or dumb?



What is programming?

The process of creating a list of instructions that will be executed by a computer in order to accomplish a task.

Similar to when you create a recipe.



Where can we find programs?

- Robots
- Websites
- Applications
- Cars
- Hospital
- Games
- Movies (Pixar, Harry Potter)
- Televisions

How old do you need to be to
become a programmer?

I am too young, really?

Many kids already are having great career.

THOMAS SUAREZ

- Started programming at age 11
- Self-taught
- Started his own company
- Invented a 3D printer 10x faster



Want more?



TANMAY
BAKSHI

- 5yrs: Started Coding
- 9yrs: First iOS APP
- 12yrs: Youngest IBM Watson Programmer in the World.

HIRED

Google

@ 15 years old

The foundation of programming

- Events
 - When teacher says something
 - When the mouse is clicked
 - When teacher raises hand
 - When someone enters the room

The foundation of programming

- Events Say something
- Actions Scratch your head
 Touch your nose
 Stand up

Let's practice

When teacher says "hello"
Say "Banana"

Let's practice

When teacher raises hand
Clap your hands

The foundation of programming

- Events

Loop 3 times

- Actions

Any action

- Loops

Loop 5 times

Any action

Let's practice

When teacher says: "Are you ready?"

Loop 3 times

Say "Oh yes!"

Let's practice

When teacher raises hand

Loop 3 times

Stand up

Sit down

The foundation of programming

- Events

- Actions

```
If it's sunny  
    Say: "Yeah"
```

- Loops

```
else  
    Say: "Oh no!"
```

- Condition

Let's practice

When teacher says: "What is the best game?"

If you think it's Minecraft

Say "Creepers!"

else if you think it's Angry Bird

Pretend to fly with your hands

else

Cross your hands

Let's practice

When teacher clap his hands

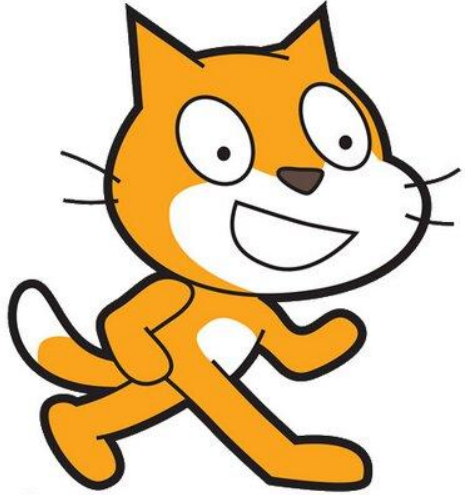
If you wear blue clothes

Repeat 3 times

Clap your hands

else

Say "Yeah"



SCRATCH

[SCRATCH.MIT.EDU](https://scratch.mit.edu)

