



DDO loops into coding!

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Éducation
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About us



www.academieprodigi.com

Why teach programming to kids?

- “65% of children entering primary school today will ultimately end up working in completely new job types that don't yet exist.”
- Digital Revolution - Automation
- Best jobs of 2018 demand coding

Risks & Difficulties

A decorative network diagram in the top right corner, consisting of various sized circles (nodes) connected by thin lines (edges). Some nodes are solid grey, while others are hollow white with a grey outline. The connections form a complex, interconnected web.

- Ensure social skills are not left behind

See ([school refusal syndrome in japan](#))

- Are they too young to learn?
- 
- A decorative network diagram in the bottom left corner, similar to the one in the top right, featuring a cluster of interconnected nodes and lines.

Too young, really?

THOMAS SUAREZ

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

[Ted Talk](#)



Want more?



A portrait of a young boy with dark hair and glasses, smiling and resting his chin on his hand. He is wearing a blue t-shirt with 'IBM Watson' visible and a blue smartwatch.

TANMAY BAKSHI

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

HIRED

Google

@ 15 years old

[Interview](#)



Questions? Comments?

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Let's dive in a class
.... for a few minutes

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.



The foundation of programming

- Events
 - When a button is clicked
 - When a sound is heard
 - When teacher raises hand
 - When someone enters the room

The foundation of programming

- Events Play a song
- Actions Turn on the lights
 Start the heater
 Send an email

Let's practice

When presenter says “hello”
Say “Banana”

Let's practice

When presenter raises hand
Clap your hands

Let's practice

When presenter says: "Are you ready?"

Loop 3 times

Say "Oh yes!"

Let's practice

When presenter raises hand

Loop 2 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 Social Site?"

If you think it's Facebook

Show a thumbs up

else if you think it's Instagram

Pretend to take a picture 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"

Tools used in the program

- [Kodable](#) [\(Video\)](#)
- [Bee-Bot](#) [\(Video\)](#)
- [Code Monkey](#) [\(Video\)](#)
- [Scratch](#) [\(Video\)](#)



Questions? Comments?

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A decorative background featuring a network diagram. It consists of numerous nodes, represented by circles of varying sizes and colors (grey, blue, and white), connected by thin lines. The nodes are arranged in a complex, interconnected pattern, with some nodes highlighted in blue or white. The overall aesthetic is clean and modern, typical of a technology or data-related presentation.

DEMO TIME!

Want to know more?

- [Codecademy](#)
- [EdX](#)
- [Khan Academy](#)
- [Google CS First](#)
- [CodeWars](#)
- [CodeCombat](#)
- [CodeMonkey](#)
- [Bee-Bot](#)
- [Scratch](#)
- [Scratch Jr](#)
- [Swift Playground](#)
- [Touch Develop](#)
- [Learn to mod](#)
- [Blockly](#)
- [Kodable](#)
- [Tynker](#)