

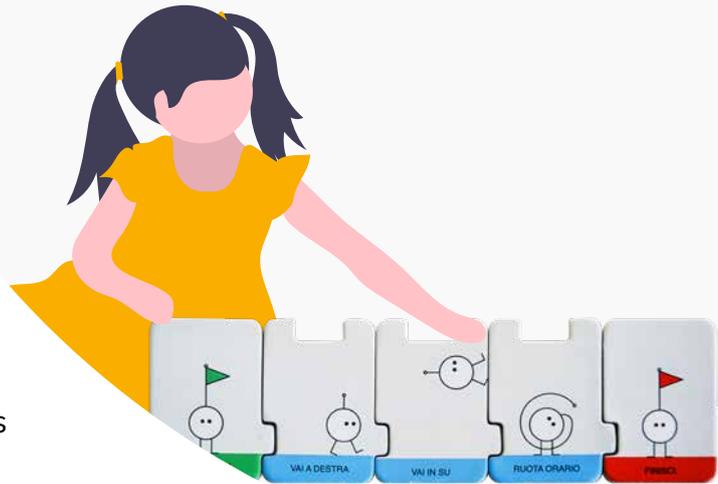
The **coding solution** aimed at developing children's critical thinking, creativity and problem solving

i-code

Designed by  edutech

WHAT IS I-CODE?

i-Code is an **educational coding solution** designed for young children, consisting of a kit of physical instruction cards and an app for tablet. By combining the cards and taking a picture of the sequence, the characters on the screen will come to life.



i-Code is designed to develop **logical-scientific thinking, problem solving** and specific **coding skills** through the combination of physical elements and virtual environments.

CHALLENGES

The challenges section stimulates the autonomous development of skills, by means of **graduated and progressive** problem-solving activities with objectives to be achieved.

Discover **challenge after challenge** new cards and commands, achieve **goals** and complete stories.

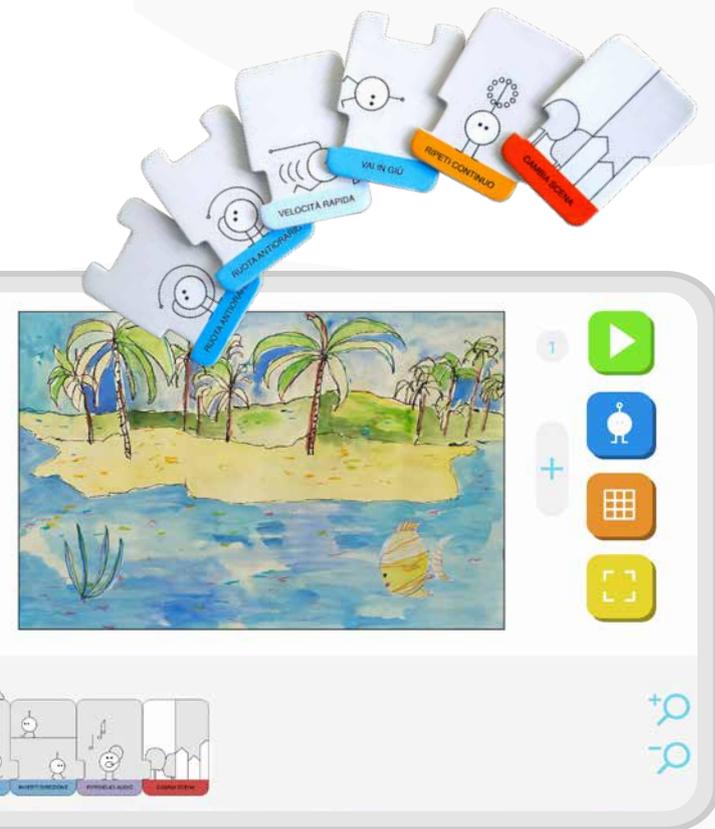
How about you? Can you do better? Create your own project and let your imagination run wild!

WHO IT IS FOR?

i-Code is a solution conceived and especially suited for **kindergarten** and **primary school children**, designed to promote forms of **smart learning-playing** and an **active use of digital technologies and new media**.



HOW IT WORKS >>



1. Children start by **drawing** backgrounds and characters **on paper** and acquire them with the tablet camera, or **choose** their preferred ones **from the library** directly from the app.
2. By combining the **physical command cards**, they can create a sequence of actions for each character in the story: move right, disappear, jump, wait, move down, and much more.
3. Then, they take a picture of the **programming sequence / script** created using the i-Code app. In this way, the characters come to life, performing the chosen actions. Furthermore, thanks to visual feedback and step-by-step execution mode, children can easily find and correct errors.
4. Looking at the animation they create, children can edit a longer story made of several scenes, and they can even **record the voice** of the narrator and all the subjects, finally exporting the project in standard **video** format.
5. They can **share** their project or their story with the class group, with families & friends, **reuse** it in a new way, or **store** it.

WHY CHOOSING I-CODE?

- It is a unique solution that combines the **advantages of tangibility and sensorial experience** with the benefits of a **narrative oriented digital application**;
- It supports the development of **critical thinking, creativity, problem-solving** by implementing activities suitable for all targets of **competencies development**;
- I-Code allows an **initial approach to computational thinking** and **the basic constructs of coding**, through collaborative experiences of narrative playing;
- The peculiar **narrative-oriented “STEAM” approach** combines logical-scientific thinking and artistic-creative expression in one solution;
- It offers a **support portal for teachers** to facilitate sharing and planning of activities.



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