

Learning to code is child's play, if done with



Why some kids become whiz programmers by age 12, and how almost anyone can do it?

Successful learners agree, to increase chances of success you need to:



Make learning fun  
and engaging



Provide small wins  
early on



Keep scratching the  
curiosity itch

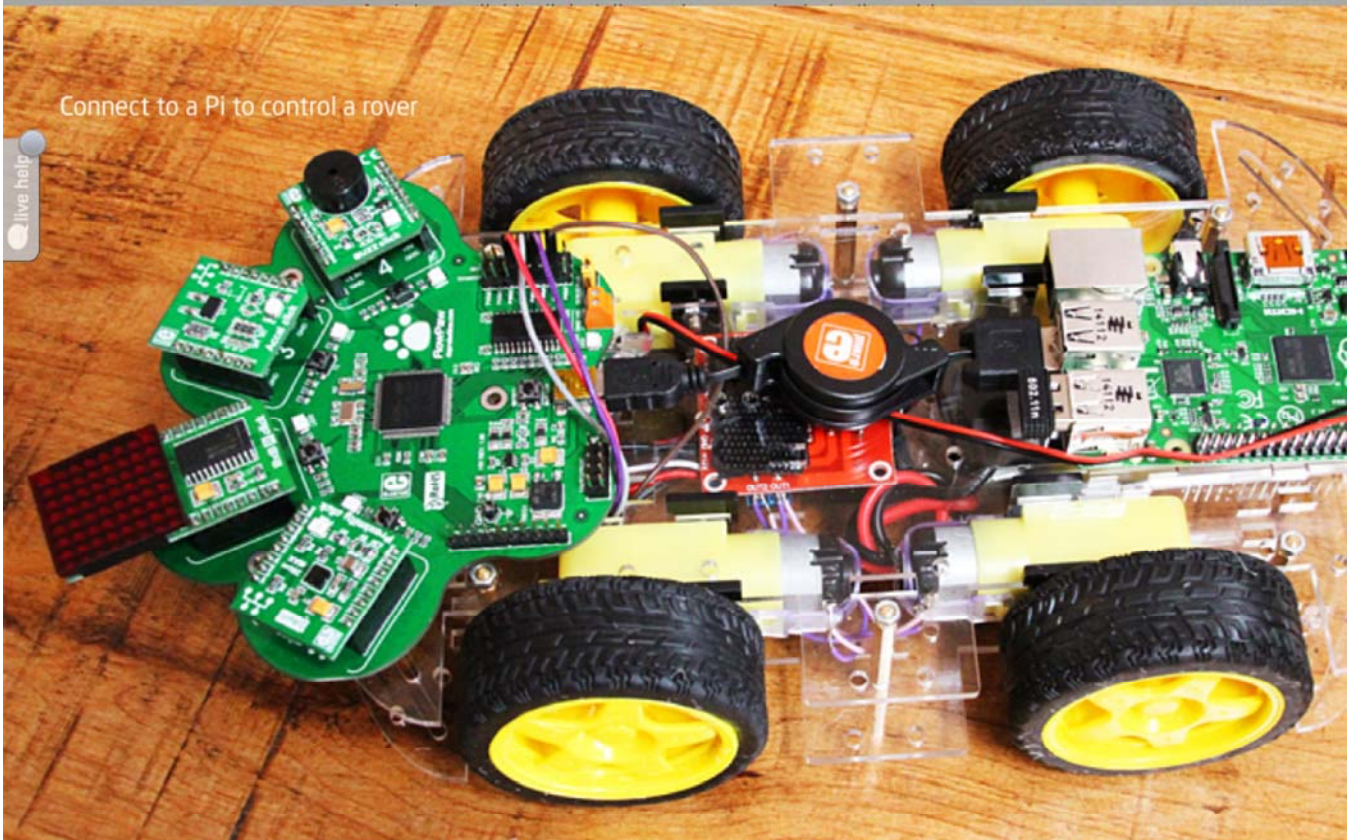


## Make learning fun and engaging

Kids are curious, but keeping their attention is hard. Especially now when toddlers are swiping, zooming and tapping iPads before they're potty trained.

Connect to a Pi to control a rover

live help



But FlowPaw doesn't do any of that on its own...



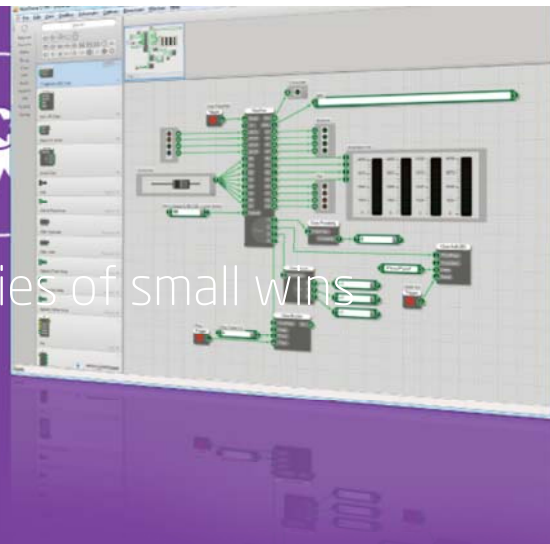
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# FlowStone - A series of small wins

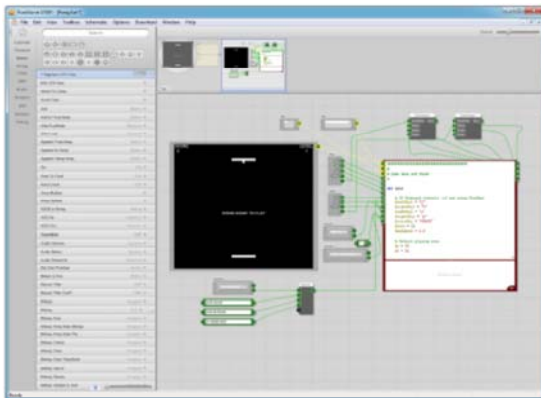
When children get immersed into a fun activity it's like they've fallen under a spell — eyes widen, the breath is still. But even then, they're tiptoeing on the edge of boredom. As soon as it gets too repetitive the spell is broken. Make it too challenging — again it doesn't work.

The key to keep the junior code learner spellbound is to provide a steady stream of small wins early on. That's what **Flowstone** — the programming software that comes with **FlowPaw** — is designed to do...



## Dig deeper as you get better

Some FlowStone components are actually nuggets of Ruby code. As you refine your creations, you'll start hacking — a variable here, an expression there — and your coding confidence will grow.



# Keep scratching the curiosity itch

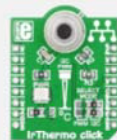
Curiosity feels like an itch; the more you scratch it – by finding answers to questions and learning new stuff – the more it itches.

FlowPaw's four claws with click board sockets will keep you scratching.  
Each click board adds a new functionality to the paw.

Included in the box are a **proximity sensor**, a **8x8 LED display**,  
an **accelerometer** and a **buzzer**.



## FlowPaw click pack 1



IrThermo  
click



RELAY  
click



7seg  
click

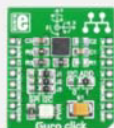


CapSense  
click

## FlowPaw click pack 2



BlueTooth  
click



Gyro  
click



SpeakUp  
click



RFID  
click



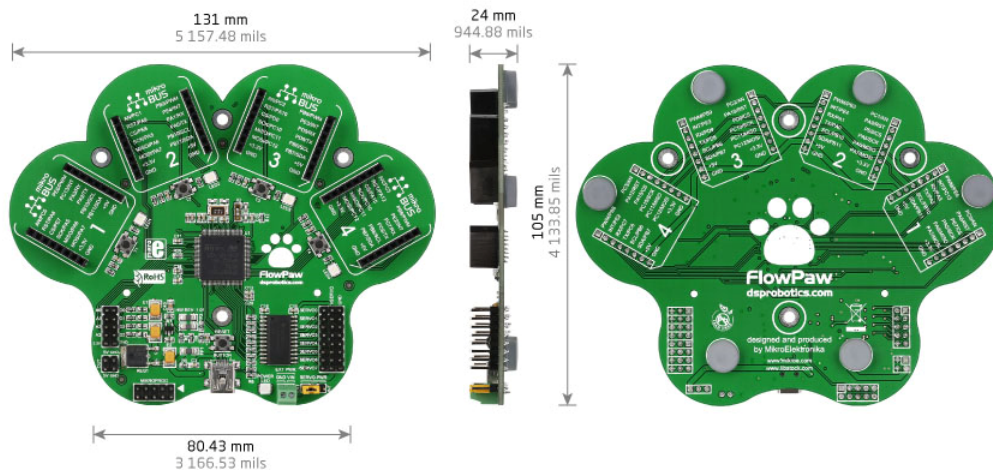
# Even more click boards are available

A total of 12 click boards are currently supported in FlowStone STEM. Support for more and more will be added (out of more than 100 click boards available).





## Tech specs



### MCU



- STM32F415RG
- ARM 32-bit Cortex™-M4
- 1024 KB of Flash Memory
- 192 KB SRAM
- 168 MHz



### Connectivity

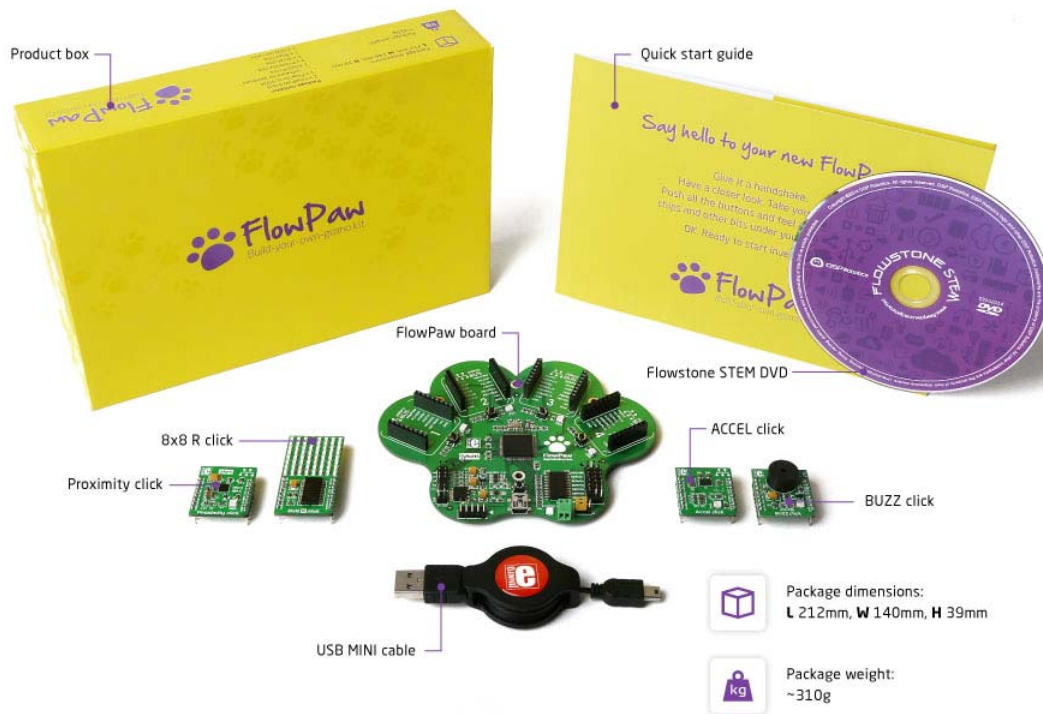
- 4 mikroBUS sockets
- 4 Digital inputs
- 4 Analog inputs
- 192 KB SRAM
- 8 Servo Motor outputs



### FlowStone

- Compatible with Windows 8/7/Vista/XP/2000
- Requires at least 512 MB RAM

# What's in the package?



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MIKROE-1744

**FlowPaw Kit**