



PROGRAMMING WITH FUN!



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What is Bubbles?

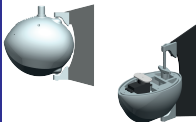
Bubbles is a didactic robot fish kit. It is an educational toy intended to enable young children to develop an interest into electronics and programming. This is vital today as both are rapidly growing industries.

Bubbles is intended for children between five and ten years, therefore it is essential this toy is both fun, educational and simple to keep the users interested in the product. Thus, bubbles was created with simple and basic movements and the main body of the fish will contain a tail powered by a servo motor to mimic the movements of a real life fish.



How does it work?

Arduino Nano was selected to power all of the components. The Servo DF15 is used to control the movement of the tail. The task of a 7.4V/900mAh battery is to supply power.



A programming language was developed to allow easy control of bubbles - Ardublock. This original programming language enables the user to control the robot to make simple movements: forward, left and right.

