



VoLAB

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Apprendre - Partager - Crer - Collaborer

Ressource numéro 5

Doc 1/1

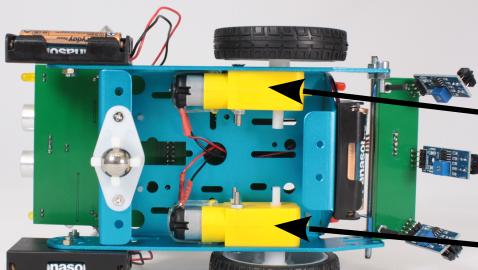
Robot Junior

Comment développer un robot autonome ?

Découverte des actionneurs

Le déplacement du robot

Nous allons découvrir les moteurs à courant continu



- Moteur droit broche 12 (PWM)
- Moteur droit broche 45 (sens 1 ou 0)

Moteur gauche broche 44 (PWM)
Moteur gauche broche 46 (sens 1 ou 0)

Le robot avance 1 seconde, s'arrête 1 seconde, recule 1 seconde et ensuite s'arrête 1 seconde. Le cycle se répète indéfiniment

The image shows a Scratch-like programming environment. On the left, there's a sidebar with categories: Broche (selected), port série, Détection, Événements, Contrôle, Opérateurs, Variables, and Mes blocs. Below the sidebar, there are icons for Codey and Arduino, and a button to connect a peripheral device. The workspace on the right contains several scripts. One script, triggered by "lorsque l'Arduino Mega2560 démarre" (when Arduino starts), sets PWM pins 44 and 12 to output as 100 for pins 46 and 45 respectively, defining them as low. It then waits 1 second and repeats the process for pins 44 and 12 set to 0, defining them as high. Another script, triggered by "lorsque l'Arduino démarre" (when Arduino starts), sets PWM pins 44 and 12 to output as 100 for pins 46 and 45 respectively, defining them as high. It then waits 1 second and repeats the process for pins 44 and 12 set to 0, defining them as low.