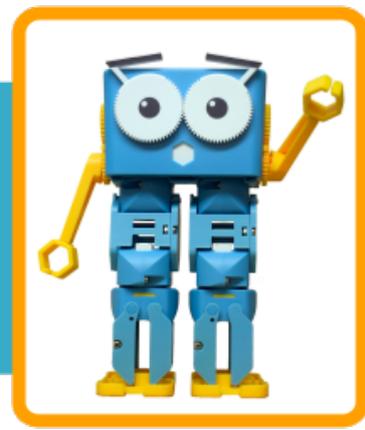


MARTY TEACHER GUIDE

Prompts and Questions to Support Delivery of Lessons



Let's Do That Again

Repeat Blocks

Learners will intrinsically know what a repeat block is / does. Applying it to coding should not be too big of a learning step. Share examples where actions repeat on a regular basis, this could include the tick of a clock, or its hands moving around the face, a bird flapping its wings when taking off, a person pedalling on a bike, etc.

Attaching the repeat block to the end of the instructions is just telling the program to run the code again until the program is stopped. That ought to be all that learners need to know about the instruction. Do that again is what our feet do on bike pedals, what bird's wings do, and what the hands do on a clock's face.

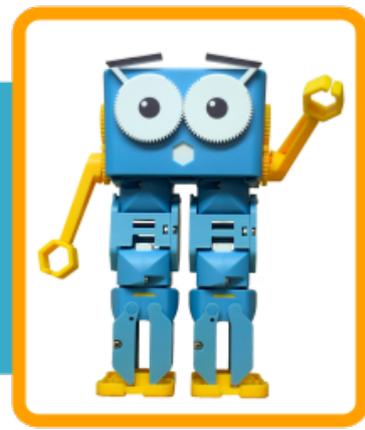
The videos provided hopefully make the idea of a repeat a more active experience. Feel free to encourage learners to join in the dance or in singing along to the 'ostinato' word.

Planning

Learners should be allowed to create any action they want with Marty, ensuring that it is something that can be repeated indefinitely. What isn't shared in the lesson is the fact that the repeat block being used loops forever. The next lesson will introduce the more specific repeat block that carries out an action a set number of times. It is hoped that learners will raise the issue of, "But Marty didn't stop," during or at the end of the lesson. Have learners remember this for the next lesson.

MARTY TEACHER GUIDE

Prompts and Questions to Support Delivery of Lessons



The code for Marty's dance

There are 4 blocks used for Marty's Hokey Pokey dance. Forward 1, Back 1, Forward 1 and dance. The moves stop there because it takes a bit of time for Marty to turn a full circle. When showing the clip, or showing Marty in the classroom, take time to focus on the direction Marty moves rather than which foot it is that moves, or say, "You put one foot in and one foot out and one foot in and you shake it all about." Then, address what repeats. There is an audio clip to accompany the video in the presentation and the audio link is in the teacher guide.

