MARTY TEACHER GUIDE

Prompts and Questions to Support Delivery of Lessons

Marty's First Moves

Reminders about Marty

It is important to remind learners that Marty isn't a toy. This should be stated regularly to reinforce good practice. Learners need to show respect for the device so that Marty can work properly, for them, for a long time.

The Cards

There are 5 colors on 3 cards. Each colour has a different action. Green is forward, red is stop, yellow is backward, blue is to the left and purple is to the right. Reinforce that the direction Marty is facing is what forward will be for them. Learners don't need to worry about lefts and rights, yet. This direction needs to have learners facing the same direction as Marty to have the best result.

For this lesson, given that Marty only has to go forward and stop, regularly use the words that 'Marty is going forward' whenever using the green card. Learners may question this, as Marty's forward may be different from the way they are facing, encourage them to change the way they are facing to be like Marty to see what forward is, for Marty.

The video from the story

The video from the story shows Marty dancing when the light is dimmed, this is to showcase what Marty can do and is something that should be demonstrated from the PowerPoint: Marty is making use of a light sensor add-on that does not come with Marty, as standard. Additionally, a colour sensor add-on, which is standard with Marty, is used to have them dance.

Included here is the code that would be required to have Marty react as they do in the video, which is built in MartyBlocks, based on Scratch 3.0. Beside this an explanation of what is happening; this is not to be used for learners but is presented for your information.

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- The two green flag, or event blocks, start the code below them, when the green flag is pressed.
- The top block has Marty wait until the ground is sensed: when Marty is on the ground, Marty will dance.
- Once the dance happens, the next part of the code starts when the level of light gets lower than 150 (this uses a unit of light that the light sensor uses).
- The bottom event block starts at the same time as the top one but there is a 5 second pause to let Marty get to the ground. If there was no pause, Marty would 'stop all' right away.
- Once Marty detects that they are not on the ground, they stop everything.

Just a reminder that this code is not for discussion with learners but is for you to see how Marty does what is in the video.

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