St Anthony of Padua Catholic Primary School

Computing Medium Term Plan – Year 1 – Summer 1– My Friend Robot

Lesson	Driving Question	Lesson	Assessment
1	What are robots?	In this lesson the children will learn about robots and their use in the real world. The children will open their pupil journals, personalise them, and then design a robot with their creativity and drawing skills.	I can recognise the ways we use technology in our classroom, my home and community. (DL) I can use technology to organise and present my ideas. (IT)

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2	How do you give robots instructions?	In this lesson, the children will follow and create algorithms (sets of instructions) to solve problems.	I can follow a simple algorithm and create a simple sequence algorithm using symbols that solve a problem. (CS)
3	How do you program a robot?	In this lesson, the children will give instructions to a programmable toy or app and evidence their work in their pupil journals.	I can independently debug simple sequence errors in a program. (CS) I can do the basics with technology. (IT)
4	How do you program a robot?	In this lesson, the children will extend their use of giving instructions to create and debug programs by using a physical programmable toy.	I can create algorithms that can be turned into a program using a robot or digital device. (CS) I can take a good quality photograph and video on an iPad/digital camera. (IT)
5	Can you apply the computing skills you have learnt?	In this lesson, the children will independently play Coding Safari or Rodo Codo. The children must solve challenges by sequencing instructions to advance in these games. The children will then evidence their understanding in the pupil journal.	I can use logical reasoning to predict the outcome of simple programs. (CS) I can organise and store my digital work. (IT)
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