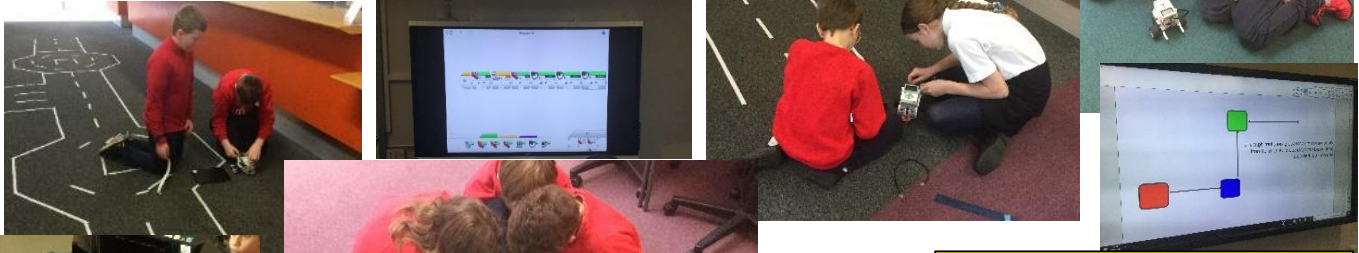


Tech Week: 2nd – 6th March 2020
KS2 CLC trips



Year 5 learnt how to **create their own websites** about different aspects of the Mayan civilisation. We used the history knowledge we already had from school as well as our research skills to gather information. We used the website Weebly to build the websites and added text and pictures to our website and learnt how to also add Youtube clips. We also learnt about the copyright of pictures and also how to use the correct format of photographs before adding them to our websites.

Year 4 used Kar2ouche to **create an animation** of the story of Romulus and Remus who were the two brothers who founded Rome. We selected the characters, props and backgrounds and added speech to tell the story. We learnt to copy one scene across and make small changes, one tiny move at a time, to animate the scene. We changed the size and position of characters and learnt how to layer parts of the scene. We had to use estimation to decide the lengths of scenes to ensure the animation looked professional.

Year 6 used Lego Mindstorms to **program a robot to move using sensors**. First, we programmed our robots to move forwards. Some of us were able to code our robot to stop and reverse and turn and park as well as travel along a road, around a roundabout and stay in the correct lane. After that, we added sensors to our robots so that it would not drive into things as it moved forwards. Initially we used object sensors. When we were confident with object sensors, we started to use colour sensors. To start with, this was just a single colour. After that we coded our robots to follow more complex instructions and added code for further colours. Finally, we used the formula $x+y/2$ to calculate the correct threshold for our robot's light intensity. This sensor allowed our robot to travel along a given line.