

**3A** have been working on STEM related tasks throughout the year. These tasks are designed to improve student's problem solving and critical analysis skills. Some of these tasks rely on teamwork and require persistence and resilience to complete. Please see below for examples of some of the activities that we have done this year.

### Coding

3A have been working through courses on [www.code.org](http://www.code.org). Students have placed pieces of code together to complete tasks on the computer. It can be hard as the code needs to be in the right order to work properly.



### Construction/design challenges

In our construction challenges, students are asked to firstly write/draw a plan of how they will complete the challenge. In the pictures below you can see that the students needed to build a paper tower that could withstand someone blowing on it from 1 meter away. The tallest tower wins! The challenge came from only having 2 sheets of newspaper and 30 cm of sticky tape to complete the tower.



## Stop Motion Animation

Students have been using the app imotion to create stop motion animation films using Lego men. Firstly, students needed to come up with a story. Then build a background and place the Lego men. Finally use the app to take a photo then move the pieces a small amount and take another photo. This requires patience and an understanding of how much to move each piece.



