

Task 6: Computer Algorithms

Lots of toys, games and devices use basic algorithms (an ordered set of instructions) to solve simple problems.

If you have any programmable toys, can you record the instructions you give to make them work and what happens after you input the instructions .

A diagram or picture of your toy or device at work can complete your computing project.

Scratch Junior is a free app that you can use to explore algorithms



Home and

Away

Homework Choices

Year 2 - Autumn 2



Your optional homework tasks this half term all link to our 'Home and Away' topic. You will need to think about what you learn in school to help you with each task.

Please bring any work you complete to share with your class.

You can complete the tasks in any order and do as many as you wish. Remember the important thing is to have fun!

Task 1: Famous Architecture

There are many famous buildings and other places people travel to China to visit. Maybe the Great Wall, the Summer Palace in Beijing or the Oriental Pearl TV Tower with its unusual shape. Can you research about places to visit in China and create your own fact sheet or even a model of it!



Task 2: Story Time!

Write us a story.

Who is your character? What is going to happen to them? How will it end? We worked so hard on the features of a narrative last half term, which ones can you include?



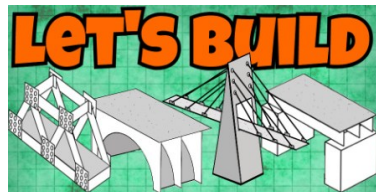
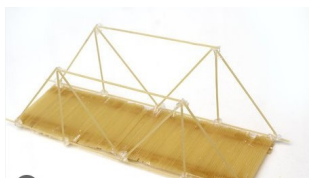
Task 3: Materials in Science

Bridges are usually made of stone, brick, wood or metal.

Can you make a bridge at home made from other materials (paper, spaghetti, cardboard tubes) ?

Can you make these materials strong enough to carry a toy vehicle?

Take some photos to show everyone!



Task 4: Proggy Professionals!

In art this half term we are using textiles as our medium for creating our art. This art style of using scraps of materials to make mats is really simple but effective. Can you apply your understanding of hot and cold colours to make your own proggy mat?



<https://www.youtube.com/watch?v=7FtNKhcUh5E>

Task 5: Maths

In maths we were looking at addition and subtraction. It would be really helpful if you can practise counting forwards and backwards to 100. Take care when you count across those tricky tens boundaries!

Don't forget you can use numbots, hit the button and many other free online games and apps to practise.

Building on your knowledge of number bonds is also amazing! You can play the finger up/finger down game with friends or family! Make sure to write anything you do in the left hand side of your reading record so we can fill it with magic maths stamps!



Task 6: Passport

To travel to a different country you need a passport. But what information is included in a passport? Can you find this information out and create your own passport ready for our journey to China.

