

Computing – Coding

We have had lots of practice over the years at completing a variety of coding tasks. Some of you are very accomplished ‘coders’ and even attend a coding club. Over the next few weeks, we will be setting you some coding tasks to complete. If you do feel particularly confident, alongside these challenges, you may like to create your own coding game which you can share with others.

Remember vocabulary is key when it comes to coding. Think about what you are asking the programme to complete. Think about it as a simple set of instructions.

For every challenge on 2code, there are videos to watch which help you to complete the challenges, there are also ‘hints’ if you get stuck. Good luck! 😊

Independent Practice

This week, you have been set the coding task ‘Guard the Castle’ as a ‘to do’. Go through the following instructions being careful to complete what the instructions tell you to do.

Help the knight guard the castle.

1: Make the knight move right

Make the knight move right.

2: Make the knight change direction when it goes too far to the right

Make a timer that checks the knight's x position every second. If it is greater than 15, make the knight go left.

3: Make the knight change direction when its x position goes too low

When the knight's x position is less than 5, make the knight go right.

4: The knights are confused!

The instructions to the knights have been mixed up. Can you fix it?

5: Add to the castle scene

Can you add more objects to spice up the castle scene?

You will not be able to move on to the next task until you see this flashing:

