

## Computing –Espresso Coding – Buttons and Instructions and Safer Surfing

Year Two



Button Privacy

Program Safety

Direction Information

Run Stranger

Execute

Control

Click

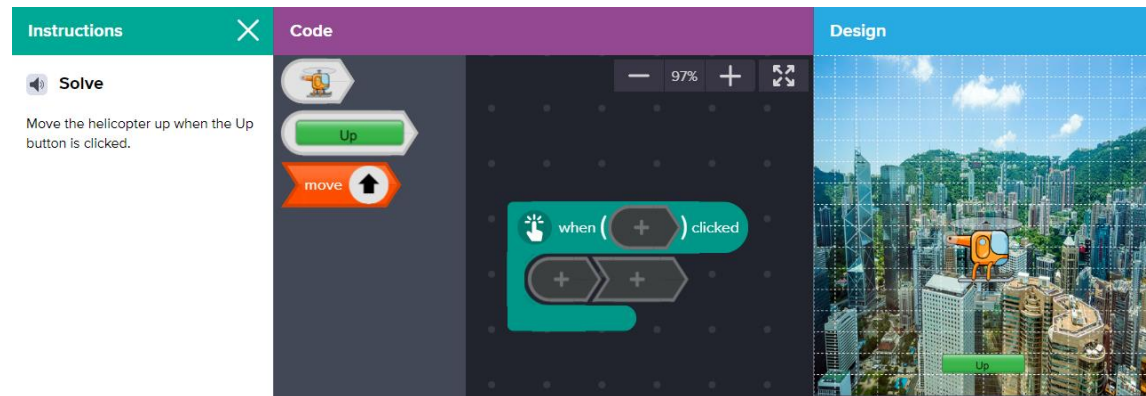
Algorithm

By the end of this unit you will have created your own code to make an object perform an action. You will be able to debug a code if needed. You will have a better understanding of how to stay safe online

### Important information



You will use Espresso Coding to write codes to make objects perform an action when a button is clicked. You will see that different buttons can be used to cause different actions to happen. You will then consolidate your understanding that code can be used to make objects move in particular ways when buttons are clicked. You will also explore making objects hide when a button is clicked. You will begin to explain how to debug a code.



For the second part of this half-term's learning, you will learn how to stay safe online. We will begin by discussing how and why we use the internet and highlight any areas that might be dangerous or inappropriate. Then we will look at the best ways to avoid these problems in a safe way and involving our adults. Finally, you will use these new knowledge and skills by applying them to different scenarios to help other.



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	Lesson Question	What you will learn	Learning Review
1	How do you debug a code?	You will feed a hungry monster called Migbod as you combine different kinds of buttons and actions in your code. While Migbod eats his fruit, you'll also consider the process of debugging a program.	
2	If you made a mistake during the coding process what did you do to fix it?	In this lesson you will use your coding knowledge to fix the mistakes in a variety of programs.	
3	How many different ways do we use the internet in our daily lives? Is this always safe?	You will identify the different ways we use the internet and why it is a very useful tool. You will highlight where these uses may be dangerous or inappropriate?	
4	What can we do to avoid dangers or inappropriate content online?	You will recap why sometimes the internet can be dangerous or inappropriate. You will decide what you can do to make using the internet a safer experience.	
5	Can you use your knowledge of online safety to help others?	You can choose the best solution to an online safety problem based on different scenarios.	