#### Healthy Lunch-Bot Scratch Activity Quick Guide (LKS2)



Bupa get.with.the **Getting started** PROGRAM **Open Scratch 3.0** Setting up your sprites and background Let's add in the sprites and background you will need for this activity: You can do this online here: · First delete 'Sprite1' (the cat) and then click 'Choose a Sprite' https://scratch.mit.edu/ or use a local version. Search for 'Robot' and select This project only uses resources available in Click on 'food' and select the Taco, Milk and Strawberry Scratch, so there's no need for students to sign in. We also need a lunchbox - choose 'Button3', but call it 'Lunchbox' Now click 'Choose a Backdrop' **Open Scratch** Click 'start creating' · Our Robot is making a picnic so let's choose 'Forest' Close the tutorial . Now you are ready to begin! Hint: the Sprites can be resized so they fit better on the screen Note: Saving projects - if you would like to save your work as you go and are not logged in (recommended), you can save your project onto the computer: In the menu click File > Save to your computer. You can find it in Downloads saved as 'Scratch Project.sb3'

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## Bupa get.with.the Challenge 2 – animate your sprites PROGRAM For this Challenge, can you animate our robot and food (sprites) so they do something fun while moving around? You may already have some ideas of how to do this, if you have used Scratch before! For our solution we are going to: · make the Robot switch costumes when the green flag is clicked, to make it look like it is spinning · make the food items change when collected by the Robot add in some code to change the food back again We will do this using blocks from the 'Looks' menu. We will also use 'Events' and 'Control' blocks. Looks Events Control

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# Challenge 3 – add in a score

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Finally, let's add in a score so we can keep track of how many lunch items our Robot has collected!

For this we will use something called a variable. An example of this was used in our Show to count the number of lunches in our delivery box.

We will:

- make it so that the lunch item counter goes up by one, when the Robot sends an item to the lunchbox
- make it so that you can reset the counter back to 0

To do this we will use blocks from the 'Variables' menu.

We will also be using 'Event' blocks.



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