

Scratch Challenges

Complete the challenges below.

You can use **scratch online** for free. Click on the link below.

<https://scratch.mit.edu/projects/editor/?tutorial=getStarted>

Skating Penguin

Animate a penguin to skate around as you press arrow buttons to direct it up, down, left and right.

If it hits a banana it should fall over.

Challenge! The bananas are moving back and forth across the ice!



Bouncing Dinosaur

Make a dinosaur jump in the air in different directions when you press the left and right keys.

If it hits a butterfly says “ouch!”

Challenge! When you press the space bar all the butterflies turn into monsters.

Magic Musicians

Create a band of performers. When you click on them they sing or play their instrument. They should make a noise *and* change costume.

Challenge! Add a dancer who appears when you click a hidden button and dances across the stage.





Sport Superstars

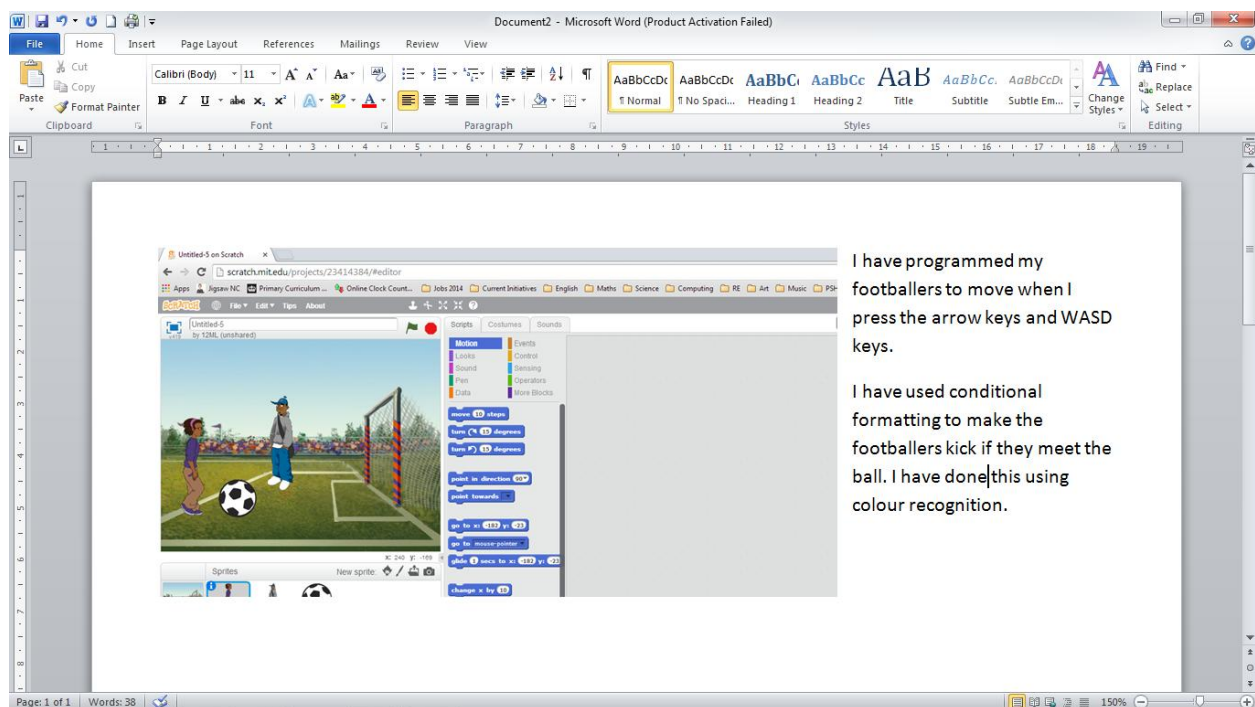
Create two footballers who move around a field. When their feet meet a football they kick and the football moves.

Challenge! If the football moves into the goal, the words “YOU SCORED!” pop up.

When you have created your animation...

When on Scratch, press the **Print Screen** button (**Prt sc** on some computers). Open **WORD**, right click and choose **paste**. An image of your programme should appear.

Write down what your programme does and how you have made it do this.



Have you...

- ☐ Changed the backdrop?
- ☐ Added 2 (or more) sprites?
- ☐ Used coordinates to move a sprite?
- ☐ Changed a sprite's costume
- ☐ Used keys or the mouse to direct sprites
- ☐ Used a conditional command