Student workbook
Batter up
Code Playground
BARCLAYS





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Scratch project

Let's knock this out of the park! Tap the space bar at the right time to hit the baseball. Can you hit a homerun? Let's make our simple baseball game to find out.

This project is designed for Scratch 3.0.

Hope you enjoy the game!



Scratch project

Step 1

You'll need to add a backdrop for this project. Choose from the backdrop library. We've used the 'Baseball 2' backdrop.





Step 2

Next you need to get the first sprite for the project. Click 'Choose sprite from library' and select the 'Baseball' sprite.

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Step 3 Let's code the baseball.

For this, we will need two variables – speed and score Use the orange Variables tab, click 'Make a Variable' and call it 'score'. Keep 'for all sprites' selected. Repeat this for a second variable called 'speed'.



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This code controls how the baseball moves and what happens when the player misses the ball, gets a hit or hits a homerun. Add this to your baseball sprite.





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Step 4

Now let's add a character to hit the ball. Click 'Choose sprite from library' and this time add in the 'Batter' sprite.





Add this code to your batter to control how they look at the start of the project and how the batter hits the baseball.

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Step 5

Next let's add some more detail to show when the batter hits or misses the ball, or hits a homerun. For this we will create new sprites. Click 'Paint' to draw your own sprites. Here we've used the text tool to create three sprites - 'Hit!' 'Miss!' and 'HomeRun!'







* * # T / 0 HomeRun!

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Step 6 Add this code to your new sprites to finish the game.



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Level up!

- Can you add instructions on how to play and also a game over screen?
- Can you make the same project with less blocks and make it more efficient?
- Can you add the coding for a foul ball?
- Can you code the baseball to have different style pitches? Ie fast ball, curve ball etc.
- What other features can you add to the project?

Notes

Code Playground

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