Race to the Finish Cards

Make a game where two characters race each other.

Race to the Finish Cards

Use these cards in this order:

1. Start the Race
2. On Your Mark
3. Reach the Finish Line
4. Choose a Racer
5. Add a Sound
6. Animate the Run
7. Race the Computer

scratch.mit.edu/racegame
Make a Card

1. Fold the card in half
2. Glue the backs together
3. Cut along the dashed line

Start the Race

[Image of Scratch game with instructions]

Make your sprite move on a racetrack.

GET READY

Choose a backdrop.

Click to select the cat.

ADD THIS CODE

Click the Scripts tab.

when space key pressed
move 5 steps

Try different numbers to change the speed.

TRY IT

Press the space key to move the sprite.
On Your Mark

Choose a starting point for your sprite.

GET READY

Drag your sprite to where you want it on the Stage.

ADD THIS CODE

when [green flag] clicked

set [x] to -200
set [y] to -45

Set the starting position.
(Your numbers may be different.)

TRY IT

Press the space key to move your sprite.
Click the green flag to reset.
Make a Card
1. Fold the card in half
2. Glue the backs together
3. Cut along the dashed line

Reach the Finish Line
Make your sprite do something when it reaches the finish line.

GET READY
Click the paintbrush to draw a new sprite.
Choose the Line tool and draw a line.
To make a straight line, hold down the Shift key while drawing.

Drag the line (Sprite2) to where you want it on the Stage.

ADD THESE BLOCKS
Click to select the cat.
Click the Sprite tab.
Choose Sprite2.
Add these blocks.

TRY IT
Click the green flag to start.
Keep pressing the space key until you cross the finish line!
Make a Card

1. Fold the card in half
2. Glue the backs together
3. Cut along the dashed line

Choose a Racer

Add another sprite so you can have a race.

GET READY

Choose a sprite to be the second racer.

ADD THIS CODE

Drag your sprite to where you want it to start.

Choose right arrow or a different key.

TRY IT

Click the green flag to start.

Press the space key and the right arrow key to make your sprites race.
**Make a Card**

1. Fold the card in half
2. Glue the backs together
3. Cut along the dashed line

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**Add a Sound**

Play a sound when you win the race.

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**GET READY**

Click to select the cat.

Then choose a sound from the Sound library, like cheer.

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**ADD THIS BLOCK**

Click the **Scripts** tab.

Add this block to play the sound.

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**TRY IT**

Click the green flag to start.

Press the `space` key until you cross the finish line!
**Make a Card**

1. Fold the card in half
2. Glue the backs together
3. Cut along the dashed line

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**Animate the Run**

Switch costumes to make your sprite look like it’s running.

Get Ready

- Click the **Costumes** tab to see your sprite’s costumes.

Add This Block

- Click the **Scripts** tab.
- Add this block to switch between costumes.

Try It

- Press the space key.

Tip

- You can animate any sprite that has more than one costume.

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[scratch.mit.edu/racegame](http://scratch.mit.edu/racegame)
Race the Computer

Race against a sprite that moves automatically.

GET READY

Choose the sprite you want to move automatically.

ADD THIS CODE

Type a smaller number of seconds to go faster.

TRY IT

Click the green flag to start.

Press the space key to move the other sprite.