

Hamster Coding

Scratch 8

Written by ConceptOn



How to Use

This manual is designed for the educational utilization of the Hamster robot.

- · Please use this manual as on-screen instructions when teaching the Hamster class.
- · The contents are easy to understand. Just read them before the class.
- · Worksheets can be downloaded from the Robomation website.
- This manual can be used to ensure the best lesson plan.
- · For more information, contact us at <u>7concepton@daum.net</u>.

Hamster Coding Scratch 8

Let's get started with Hamster coding with the Scratch program!

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The use of the Scratch programs will make coding more interesting!

Today's Activity

Division	Description	Time
Introduction	Explore the problem. Why not code for your Hamster to move on a game board?	5min
Development	Find a solution. Let's use the Move-On-Board and "hand found?" blocks. Solve the problem. Let's command your Hamster to move according to a given mission.	30min
Conclusion	Review today's activities. Let's talk about what you have learned and enjoyed.	5min

Shall we try coding for your Hamster to move on a game board and stop while sensing an object?

Get ready

First, let's find out what is needed for Hamster coding.

Open the program

When opening the program, turn on Hamster and plug the Bluetooth Dongle into the USB port of your PC.

Hamster moves on a game board

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Move and rotate on the board

Let's find the block that lets your Hamster move on the board.

Exercise 🚺

Let's code for your Hamster to move on the board.

Preparations: Hamster, Worksheet (game board)

Coding with your partner

Let's code for your Hamster to move on the board. Preparations: Hamster, Worksheet (game board)

Activity examples

- (1) Give problems to each other (setting the starting and arriving locations of Hamster).
- 2 Organize the order of blocks and try coding.
- 3 Team up with your partner to compete with other teams.

Let's Review

Did you encounter any difficulties?

What interested you the most about Hamster robot?

