

# Hamster Coding

Scratch 14

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 14

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

Kan

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



## **Today's Activity**

Division	Description	Time
Introduction	Explore the problem. Why not try to control your Hamster by pressing arrow keys?	5min
Development	Find a solution. Let's code by setting arrow keys to control the movements. 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





#### **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.



#### Let's think

Let's think and talk about how to make your Hamster move when you press a set key.





#### Exercise 🚺

Let's write the code that lets your Hamster move when you press a set key.



#### **Exercise 2**

Let's write the code that lets your Hamster move while you press and hold a set key.











Let's practice driving while following the driving course. Preparations: Hamster, Worksheet







#### Follow the driven course



Let's practice driving while following the driving course. Preparations: Hamster, Worksheet





#### Hamster drive



#### Hamster drive(individual competition)





#### Hamster drive(relay race)





#### **Let's Review**



Did you encounter any difficulties?

What interested you the most about Hamster robot?

