Key Stage 1 - Session 10
Try out a partner's route

Objectives

- Complete a programming challenge set by a peer
- Use sequence and repetition independently
- Evaluate and debug their program independently

Resources

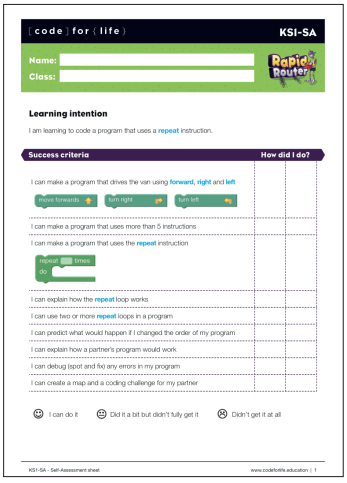
- KS1 Self-Assessment sheet KS1-SA

Vocabulary

- Evaluate, progress
- Code skills, logical thinking
- Computer scientist, programmer

Let's get started

Choose a child to launch Rapid Router, load their saved challenge and then explain what their partner has to do.


[code] for { life } KSI-SA

Name:

Class:

Learning intention

I am learning to code a program that uses a repeat instruction.

Success criteria | How did I do?

I can make a program that drives the van using forward, right and left

I can make a program that uses more than 5 instructions

I can make a program that uses the repeat instruction

I can explain how the repeat loop works

I can use two or more repeat loops in a program

I can predict what would happen if I changed the order of my program

I can explain how a partner's program would work

I can debug (spot and fix) any errors in my program

I can create a map and a coding challenge for my partner

I can do it | Did it a bit but didn't fully get it | Didn't get it at all

KS1-SA - Self-Assessment sheet

fig S10.1

Individual activity

The children try out their partner's challenge.

They should complete their Self-Assessment sheets *[fig S10.1]* to assess their learning. More advanced children can do this electronically and take a screenshot of the completed route and code, adding this to their Self-Assessment sheet.

Share and review

Share a few challenges, with children taking turns to present their work.

Can you explain how your program works?

Can you explain what your code means?

What types of programming have you done?

How is the computer making the van or character move?

What have you learnt, using this app?

Option: Use a screen recorder, such as the Interactive Whiteboard Smart Recorder, to record the van moving along a child's programmed route. Use this video in a class presentation or e-book about the project.