Key Stage 1 - Session 5
Create a more complex algorithm to deliver one or more packages on the way

(You might do sessions 5 and 6 in one, depending on the ability and experience of the group or class)

Objectives

- Write an algorithm to include intermediate deliveries

Resources

- Levels 15 to 16 in Rapid Router
- Resource sheet KS1-S5-1 (laminated if possible)
- Grocery card and van card

Vocabulary

- Directly, on the way
- Destination, delivery, deliver

Let's get started

Talk to the children about delivery vans which have to stop off at different points and deliver packages. Discuss the types of services - grocery, clothes, books etc.

Demonstrate this using resource sheet KS1-S5-1 *[fig S5.1]* and a grocery card *[fig S5.2]* with a van card *[fig S5.3]*.

Introduce level 15 of the app *[fig S5.4]*, and the new **deliver** command. The van has to travel from the warehouse to deliver some groceries at one house before continuing to the final house.

Which path could the van take? Discuss what choices the van driver could have, and which would be the best (the shortest, most efficient path).

fig S5.1

Independent activity

Children work through levels 15 and 16.

Share and review

Discuss the pressures on delivery vans in real life. **If you have five places to deliver packages to in a day, will it matter in which order you do it?**

Explain that they will code that type of journey in the next session.
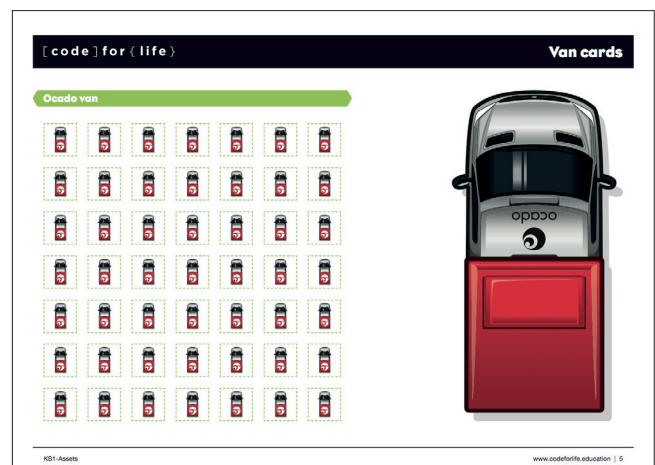

fig S5.2

fig S5.3

fig S5.4