

Unit 6 Lesson 1: Two types of crossing

Describe three differences between a school crossing control and a pelican crossing.
Give one advantage and one disadvantage for each of the two types of crossing.

Unit 7.6 Lesson 2: Buying chocolate

Take home a copy of Pupil resource 3, a flowchart planning sheet.
Plan a flowchart for buying a bar of chocolate from a machine.

Unit 7.6 Lesson 3: Designing loops

Write down three examples of systems that use a loop.
Sketch a flowchart for one of your examples.

Unit 7.6 Lesson 4: Monitoring growing conditions

Write down the physical conditions that a gardener may wish to monitor in a greenhouse.
Create a flowchart to show how a computer could control one of these conditions.

Unit 7.6 Lesson 5: Helping in the home

Jot down some ideas, or draw a flowchart, to answer one of these questions.

- How would you change your system for a person with impaired hearing, to make it suitable for a person who cannot see very well?
- How would you change your system to help a disabled person get into and move around inside a building? (Think first about the nature of the disability.)
- In what other ways could people with hearing difficulties be assisted by a control system?