

CurriculumVisions Lesson

Students: fill in next to the word answer and return the document for assessment.

Science

Book: Keeping warm and cool (4C)

Pages 14-17

Everything here is based on our Curriculum Visions book Keeping warm and cool (4C).

In this segment, we are going to think about some different ways to keep things warm.

You will need to go to pages 14-15 of the book.

Draw a picture of a vacuum flask and label the different parts. Explain how the flask keeps food and drink warm.

Answers.....

The drawings should look similar to the one on page 15.

Students can explain that the flask works because the flask has two walls made of glass that has been coated in a shiny material. The space between the walls has had all the air removed. So, heat can't pass by conduction through the empty space; the shiny material on the glass bounces radiated heat back; and the flask is stopped up so that heat is not lost to the air by convection.

Go to pages 16-17

Draw a picture of your home, or a room in your home. What could you do in order to keep your home warmer?

Answers will vary.....

Students could include: insulating the walls and roof, using double glazing on the windows; using a draught excluder on the doors.

If you are interested in this topic continue to browse the book and watch our amazing videos. They start right on the book cover.