

Nome _____

Classe _____

Data _____

SCHEDA DVD 3.2 THE ENVIRONMENT

Before watching

1 Match the English terms with the definition.

- | | |
|--------------------------------------|--|
| 1. solar panels | a. Something that does not use more energy than necessary. |
| 2. eco (or environmentally) friendly | b. The amount of damaging CO ₂ gas produced. |
| 3. carbon footprint | c. Something that does no or minimal damage to the environment. |
| 4. organic food | d. Energy that can be re-used or produced again, e.g. wind energy. |
| 5. energy efficient | e. The recycling of unwanted paper, glass and food products. |
| 6. carbon emissions | f. Protection against losing heat in cold conditions. |
| 7. environmental impact | g. Large pieces of glass that collect the sun's energy. |
| 8. renewable energy sources | h. The negative impact an individual makes on the environment. |
| 9. thermal insulation | i. The consequences of something on the environment. |
| 10. waste recycling | j. Food produced in a way that does no damage to the environment. |

1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

2 Discuss these questions with a partner.

- How much waste (paper, plastic etc.) do you recycle at home?
- Is there complete separation of waste products (dry, wet, paper, glass)?
- Do you use any form of renewable energy, for example hot water from solar panel energy?
- If not, would that be difficult to have in your house?

While watching

3 Watch the video without sound. Can you imagine what they are talking about?

Compare your opinions with those of a partner.

4 Number these items in the order they are mentioned in the video.

- a. the name of the architect who designed BedZed
- b. the sense of community at BedZed
- c. the transport system
- d. the amount of energy saved in the houses
- e. the exact location of the project
- f. the date of completion of the project
- g. the use of rainwater

1. 2. 3. 4.
5. 6. 7.

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5 Complete these sentences with the numbers in the box.

99 2002 58 2 220 45 64 81

1. The year in which the project was completed:
2. The number of residents in BedZed:
3. The number of houses:
4. The percentage reduction in energy consumption for heating:
5. The percentage decrease in electricity consumption:
6. The percentage reduction in car use by residents:
7. The number of railway stations serving the area:
8. The percentage reduction in water consumption:

After watching

6 Discuss with a partner how you could reduce your own energy consumption, for example switching off the TV instead of leaving it on standby.

7 Calculate your own carbon footprint at:
www.mycarbonfootprint.eu/index.cfm?language=en
 Write down any good ideas you got to save energy or reduce your footprint.

8 Here are some comments from an Internet discussion forum on the BedZed project. Write ✓ if the writer is in favour of / positive about the project, and X if he / she is against it / negative about it. Then give your opinion.

1 Would be great if any of it actually worked... I know people at the firm who have the maintenance contract, it's always breaking down.

2 The reason I'm negative about this project is because it is very old.

3 BedZed and others need to be looked at as pioneering projects.

4 That is a very creative design. It is one of the best designs I have seen by an architect.

9 Write a list of three further questions you have about the project, for example if there are plans to do similar projects in other places.
 Go to the BedZed site at: www.bioregional.com/what-we-do/our-work/BedZed/
 Or at: <http://en.wikipedia.org/wiki/BedZed>
 See if you can find the answers to your questions.