Lesson 1

Energy saving

1.23 Listen and find the pictures.
Then, sing the song.

2. Choose a situation and ask a classmate for advice.

3. Write an energy-saving poster for your home.

Energy-saving actions

Energy saving, Electronic equipment, Objects in a house

You should ... when ...
1. Read and correct the mistakes.

- There is some grass on the roof.
- There are some radiators in the bedrooms.
- There are any solar panels on the roof.
- There’s a water tank under the house.

2. Copy and complete the plan. Then, ask a classmate.

- How many solar panels has it got?
- Where are they?
- How many bedrooms has it got?
- Where are they?

3. Draw a blueprint for your house and describe it.

- My eco-house has got ...
- The ... face north/south/east/west ...
- There are some ... on the ...

I wonder...

- Find photos of energy-saving houses.
- What features have they got?
1.24 Listen and say the name of the equipment.

When we turn off the TV with a remote control, there is still a small light near the screen. This is called a standby light. Standby lights use electricity all the time. Some people call standby lights *Energy vampires*. We should save energy and turn off standby lights at night.

**Standby lights**

<table>
<thead>
<tr>
<th>Device</th>
<th>Energy used</th>
</tr>
</thead>
<tbody>
<tr>
<td>computer</td>
<td>2.84 W</td>
</tr>
<tr>
<td>mobile phone</td>
<td>0.26 W</td>
</tr>
<tr>
<td>TV</td>
<td>3.06 W</td>
</tr>
<tr>
<td>microwave</td>
<td>3.08 W</td>
</tr>
<tr>
<td>speakers</td>
<td>1.79 W</td>
</tr>
<tr>
<td>cordless phone</td>
<td>2.92 W</td>
</tr>
<tr>
<td>DVD player</td>
<td>1.55 W</td>
</tr>
<tr>
<td>game console</td>
<td>1.01 W</td>
</tr>
</tbody>
</table>

**Did you know...**

> In the USA, some houses save 10% of their energy bill when they turn off all standby lights.

**Pair Work**

2. Work out the energy used by the standby lights. Then, ask a classmate.

Student A, go to page 91. Student B, go to page 94.

- Is there a computer in your house?
- How many computers are there in your house?
- How much energy do the standby lights for the computers use in total?

3. Find the standby lights in your house and make plans.

There are ... standby lights in my house. We should unplug the ... and the ... at night.

**Standby lights** | **Electronic equipment, Decimal points**

*How much energy does it use? How many ... are there? We should/shouldn’t ....*
1 Answer the questions.

1 Do you use public transport every day?
2 How many times do you travel by car every day?
3 Have you got a bike?
4 Do you use it every day?

2 Listen and find the right answers (a–n) to the survey.

We’re from Hillside Primary School and we’re doing a survey about transport.

Have you got a moment?

Yes, of course. How can I help you?

Can we ask you some questions?

Go ahead!

...And can you do the trip on foot or by bike?

No, not really.

Why not?

I’m the bus driver!

Oh! Well...

...thanks for answering our questions!

It’s a pleasure.

3 Write your own version. Interview your classmates using the transport survey.

a Yes, I am.
b No, I’m not.
c I’m going to work and back.
d Only one!
e I’m going on my own.
f I’m going with my family.
g Yes, I suppose so.
h Of course!
i I’m going on a bus.
j Only one. I’m not going far.
k I’m going on a long journey.
l It’s going to take all day.
m It’s going to take about thirty minutes.
n No, not really.

Hillside School

Class 6A

Transport survey

1 Are you going to travel by car tomorrow?
- How many trips are you going to make?  
- How many people are going to go with you?  
Can you do any of the trips on foot or by bike?

2 Are you going to use public transport today?
- What type of public transport are you going to use?
- How many trips are you going to make?
- How long is it going to take?
Can you do any of the trips on foot or by bike?

...And can you do the trip on foot or by bike?

No, not really.

Why not?

I’m the bus driver!

Oh! Well...

...thanks for answering our questions!

It’s a pleasure.

Language for doing a survey
Cycling is very popular in Britain and lots of children cycle to school every day. Sometimes children learn basic cycling skills at school.

1. Read and complete the sentences. Then, listen and check.

1. You should wear a helmet.
2. You should wear dark clothes.
3. You should check your brakes before you ride.
4. You should ride on the pavements.
5. You should give arm signals when you change direction.
6. You shouldn't listen to music when you cycle.
7. You shouldn't lock your bike when you get off.
8. You shouldn't use the bike lanes.
9. You should do a cycling test.

I think you should wear a helmet. I agree!

2. Copy and complete the plan. Then, ask a classmate.

Plan for my next cycling trip

Date: ______________________
Destination: ______________________
Start time: ______________________
Finish time: ______________________
With: ______________________

When are you going on a cycling trip?
Where are you going?
Who are you going with?
How long is it going to take?

3. Write about your plans.

On my next cycling trip I’m going to the river. I’m going with my dad. It’s going to take about forty-five minutes. My friend is going to the park. He’s going with his friends.

I wonder...

Find the name of a cycling club in the UK. What do they do?
At 9.00 pm the mayor of the city was ready to turn on the lights.

...and so I wish you all happiness at this special time of the year.

First Ed and Mary went to the town centre and looked at the Christmas tree. There were hundreds of lights on its branches. A thick cable connected the lights to a plug socket.

In the offices of The Wattstown News, the editor of the newspaper had a meeting with his best reporters.

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What’s behind this story?
Any ideas you two?

I'm not sure.

But don't worry. We're going to start an investigation.

Ed and Mary were only 19 but they were already star reporters.

Me too! It's on my mum's phone!

The problems in Wattstown started on 1st December. Everything was ready for Christmas. The shops had special offers for Christmas presents. There were lights across the streets and a huge Christmas tree in front of the town social centre.

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The problems in Wattstown started on 1st December. Everything was ready for Christmas. The shops had special offers for Christmas presents. There were lights across the streets and a huge Christmas tree in front of the town social centre.
At the computer shop, Ed and Mary saw the logo on lots of equipment. “It’s a new brand,” explained the shopkeeper. “And it’s very, very popular!”

“What’s the special deal?” asked Ed. “Well,” the shopkeeper explained. “After you buy the phone, someone from Vamponics calls and gives you a prize, a new computer, or a game console, or something like that. But you should keep your phone plugged in. They sometimes call in the middle of the night!”

Then, they did some research. And they made some phone calls.

Back at the office, Ed and Mary saw the Vamponics logo on lots of phones. That’s a very big standby light!

We’re using a lot more electricity now. Yes, and we’re using a lot of electricity at night. I wonder why…

The next day their story was on the front page.

Did you know…

The world’s tallest Christmas tree was in Mexico. It was 110.35 metres high. It took 200 people to decorate it.

Read the story again and answer the questions.

1. When do the lights first go out?
2. What is Ed and Mary’s job? Where do they work?
3. What do Vamponics make?
4. What is Vamponics’ special deal?
5. Why do people leave Vamponics phones plugged in all night?
6. What is wrong with Vamponics phones?
Imagine you are a reporter. Write four questions and interview the mayor.

Copy and complete the plan for your house. Then, ask a classmate.

Write a newspaper article.

Instructions
- Follow the plan. Use ideas from Activities 1 and 2.

Everybody in Wattsville is getting ready for an energy-saving Christmas

Paragraph 1: mayor’s plans. “Quotation” from mayor.
Paragraph 2: residents’ plans. “Quotation” from resident.
Paragraph 3: conclusion with recommendations.

Energy-saving holidays

This year Wattsville is going to have energy-saving decorations. “There’s going to be...” “There are going to be...” the mayor explained. Members of the public are also going to help. “They are going to...” a resident said. The city of Wattsville learned a lesson this year. After the scandal of Vamponics, we know we should... and we shouldn’t...
1. Copy the spelling chart. Listen and complete.

<table>
<thead>
<tr>
<th>...cia...</th>
<th>...tio...</th>
<th>sh...</th>
<th>su...</th>
</tr>
</thead>
</table>

2. Look back at the unit and find words.

- features of an eco-house
- parts of a house
- electronic equipment
- cycling words

3. Throw dice and play a language game.

Instructions
- Think about your street.
- Throw the dice three times to make one sentence.
- Make six different sentences.

1. Odd numbers = with a singular noun
   Even numbers = with a plural noun

2. Odd numbers = about the present
   Even numbers = about the future

3. Odd numbers = in the affirmative
   Even numbers = in the negative

Grammar help

Present
- There's a window on the roof.
- There are radiators in the sitting room.

Future
- There's going to be a solar panel on the roof.
- There are going to be low energy light bulbs in the sitting room.
1. Listen and say True or False. Then, talk about your school.

**How green is your school?**

<table>
<thead>
<tr>
<th></th>
<th>Hillside School</th>
<th>Lakeview School</th>
</tr>
</thead>
<tbody>
<tr>
<td>solar panels</td>
<td>✗</td>
<td>✓</td>
</tr>
<tr>
<td>recycling bins</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>water tank</td>
<td>✗</td>
<td>✓</td>
</tr>
<tr>
<td>low-energy batteries</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>low-energy bulbs</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>big windows</td>
<td>✓</td>
<td>✗</td>
</tr>
<tr>
<td>blinds</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>a vegetable garden</td>
<td>✓</td>
<td>✗</td>
</tr>
</tbody>
</table>

2. Make energy-saving plans and tell a classmate.

I’m going to unplug my computer at night.

3. Make plans for a green school.

At this green school, there’s going to be a vegetable garden.
Every day we are going to unplug the computers.

4. Write about saving energy at your school.

At our school we should ... We shouldn’t ... In class A, we are going to ... We aren’t going to ...