

**RENEWABLE**  
ENGLISH

**SERIES 1**

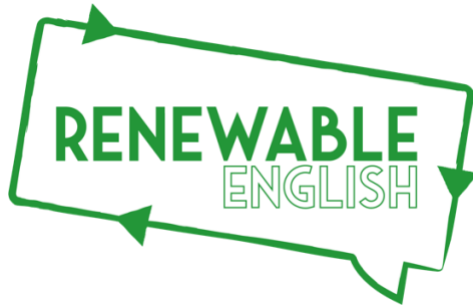
**A GREENER  
COURSEBOOK**

12 lessons. Each one bringing a sustainable twist to a traditional coursebook unit



# Renewable English

## Series 1: A Greener Coursebook



Welcome to [Renewable English](#) your free online climate change awareness course.

Renewable English was created to help educators and learners in their quest to be more sustainable. In the first series of lessons we look closely at traditional unit themes and look more deeply into our behaviour and see how we can easily make positive changes towards a cleaner, healthier planet.

To have your say and join in the conversation, stay in touch across social media  
**@renewableenglish**



[www.renewableenglish.com](http://www.renewableenglish.com)

At Renewable English we believe in free access to education for everyone the world over. If you're enjoying the lessons, please help us keep it free by [donating here](#)

# **Renewable English**

## **Series 1: A Greener Coursebook**

### **Contents:**

Introduction	Page 1
Contents	2
Lesson Videos, Interview and Top Tip Links	4-47

### **Worksheets**

Lesson 1 Home <b>Electricity</b>	4-7
Lesson 2 Home <b>Water Consumption</b>	8-11
Lesson 3 <b>Carbon Footprint</b>	12-15
Lesson 4 <b>Food Waste</b>	16-18
Lesson 5 <b>The Weekly Shop</b>	19-21
Lesson 6 <b>Our Ocean</b>	22-25
Lesson 7 Materials <b>Fashion Week</b>	26-28
Lesson 8 Materials <b>Health and Beauty</b>	29-31
Lesson 9 Materials <b>Travel and Tourism</b>	32-35
Lesson 10 Materials <b>Transport</b>	36-39
Lesson 11 Materials <b>School</b>	40-43
Lesson 12 Materials <b>Celebrations</b>	44-47

**Answers available on request**

# Renewable English

## Series 1: A Greener Coursebook

### Lesson Videos

[Lesson 1 Home Electricity](#)

[Lesson 2 Home Water Consumption](#)

[Lesson 3 Carbon Footprint](#)

[Lesson 4 Food Waste](#)

[Lesson 5 The Weekly Shop](#)

[Lesson 6 Our Ocean](#)

[Lesson 7 Materials Fashion Week](#)

[Lesson 8 Materials Health and Beauty](#)

[Lesson 9 Materials Travel and Tourism](#)

[Lesson 10 Materials Transport](#)

[Lesson 11 Materials School](#)

[Lesson 12 Materials Celebrations](#)

### Full Interview Links

[Lesson 2 Shirley Cato](#)

[Lesson 3 Bob Waters](#)

[Lesson 4 Susanne Duplantis](#)

[Lesson 5 Amy Meek](#)

[Lesson 6 Kate Nelson](#)

[Lesson 7 Cherie Birkner](#)

[Lesson 8 Stella Abril](#)

[Lesson 9 Nathan Bird](#)

[Lesson 10 Hattie Blackmore](#)

[Lesson 11 Jonathan Dykes](#)

[Lesson 12 Materials](#)

### Ali's Top Tips

[Lesson 1](#)

[Lesson 2](#)

[Lesson 3](#)

[Lesson 4](#)

[Lesson 5](#)

[Lesson 6](#)

[Lesson 7](#)

[Lesson 8](#)

[Lesson 9](#)

[Lesson 10](#)

[Lesson 11](#)

[Lesson 12](#)

# LESSON 1

## Electricity Consumption



### Vital Vocab

#### What they mean

**Climate Change:** a change in global or regional climate patterns

**Fossil Fuel:** a natural fuel such as coal or gas, formed in the geological past from the remains of living organisms.

**Carbon Footprint:** the amount of carbon dioxide released into the atmosphere as a result of the activities of a particular individual, organization, or community.

**Consumption:** the action of using up a resource.

**Energy-efficient:** uses relatively little energy to provide the power it needs.

**Green/Renewable Energy:** energy from a source that is not depleted when used, such as wind or solar power.



### How many appliances can you think of?

# LESSON 1

## Electricity Consumption



**Which ones which?**

**Connect the picture to the word**



Iron



Oven



Kettle



Phone



**What Wattage?**

**How many watts does each of the appliance use per hour?**

Iron:

Kettle:

Phone:

Oven:



**The Kettle Effect**

**Order the events**

- 1.
- 2.
- 3.

# LESSON 1

## Electricity Consumption



### UnFun Facts T/F

#### Renewable or not



### UnFun Facts T/F

Watch the video and answer True(T) or False (F)

- 14% of total emissions comes from operating our homes  
**T/F**
- Our demand for energy grows by about 3% per year.  
**T/F**
- At any one time in most households have an average of 3 appliances are left on stand-by.  
**T/F**
- Heating and cooling account for about 56% of the energy use in a typical home.  
**T/F**

# LESSON 1

## Electricity Consumption



### Big Number and CO2 emissions

**Answer the questions below.**

1. How long would it take me and 1,999 friends to emit 10bn tons of CO<sub>2</sub> if we burnt 1 barbecue a second?
2. Which country emits the most CO<sub>2</sub> emissions?
3. Which two countries have the largest population?
4. Which country produces the most CO<sub>2</sub> per capita (per person)?



### Top Tips

**What are your top tips?**

Make a video and send them over to us on the socials **@renewableenglish** or with tag us **#RenewableEnglish** or you can email us **harry@renewableenglish.com**



## LESSON 2

### Water Waste



#### Vital Vocab

##### What they mean

**To drip (verb):** to shed small drops of liquid.

**A leak (noun):** to let a fluid substance out or in accidentally.

**Pipes (noun):** a tube used to convey water, gas, oil, or other fluid substances.

**Drain (noun):** a channel or pipe carrying off surplus liquid, especially rainwater or liquid waste.

**Plug hole (noun):** a channel or pipe carrying off surplus liquid, especially rainwater or liquid waste.

**Water Butt (noun):** a large barrel used for catching and storing rainwater.



#### How many things use water around your house?



#### Which one is which?

Connect the picture to the word

## LESSON 2

### Water Waste

**RENEWABLE ENGLISH**



Tap  
Toilet  
Hose  
Sink  
Shower  
Bath



#### UnFun Facts T/F

Watch the video and answer True(T) or False (F)

1. 95% of the water we use at home goes down the plug hole.

**T/F**

2. Leaving the tap on while you brush your teeth wastes about 15 litres of water.

**T/F**

3. One flush of the toilet uses 5 litres of water.

**T/F**

4. A tap that drips 1 drip per second for a year wastes about 20 bath tubs full of water

**T/F**



Interview with Shirley Cato #BeMoreShirley

## LESSON 2

### Water Waste

**Task A: Answer the questions below.**

1. What inspired Shirley to start saving water?
2. What are Shirley's top water saving tips?
3. Why did Thames water give Shirley a call?
4. What does Shirley think when she hears the rain?

**For the full interview check out our YT page and IGTV**



#### Top Tips

**What are your top tips?**

- 1.
- 2.
- 3.

Make a video and send them over to us on the socials **@renewableenglish** or with tag us

**#RenewableEnglish** or you can email us [harry@renewableenglish.com](mailto:harry@renewableenglish.com)



#### My Haiku

Here is the Haiku I wrote with **@WordGuerrill**.

## LESSON 2

### Water Waste

#### Do my jeans match my shirt?

This pair of blue jeans (5 syllables)  
Costs seven thousand litres (7 syllables)  
But I look so good (5 syllables)

Why don't you write a Haiku and tag us in it **@Renewableenglish** or use **#RenewableEnglish**



**My Planet Promise**

**#RenewableEnglish**

**We hope you're enjoying the lessons. Feel free to get in touch about any issues you'd like to see covered in future classes and if you'd like to donate check out [ko-fi.com/renewableenglish](https://ko-fi.com/renewableenglish)**

## LESSON 3

# Reducing our Carbon Foodprint



### Food Vocabulary

Connect the picture to the word

Pork

Lentils

Beef

Lamb

Insects

Chicken



### Carbon Footprint Facts T/F

Watch the video and answer True(T) or False (F)

1. The Co2 emissions used to produce just 1kg of beef **T/F** is the same as burning 7 litres of petrol. **T/F**
2. 1 litre of milk uses 1050 litres of water. That's like flushing the toilet more than 100 times. **T/F**
3. 1 litre of oat milk uses 150 litres. **T/F**
4. Chickens produce around 6.9kgs of CO2 emissions per 1kg of meat. 5 times less than a cow. **T/F**

# LESSON 3

## Reducing our Carbon Footprint



### Our Carbon Pawprint

What could Estrella have done with all that CO<sub>2</sub>?

1. How many times could I go from London to Barcelona with the CO<sub>2</sub> produced from Estrella's carbon Paw Print?



2. How many times could we drive around the equator?



3. How many years could we heat a typical UK household?



# LESSON 3

## Reducing our Carbon Footprint



### Interview Questions

For the full interview check our [YouTube page](#).

**1) What made him decide to “go vegan?”**

A: He took a month off animal products and felt great.

B: He hates leather shoes.

C: He saw the damage that had been done to the environment.

**2) What’s his favourite vegan dish to make for other people?**

A: Chips on the seafront.

B: Hot pumpkin soup.

C: Papaya salad.

**3) What are Bob’s the three reasons to go vegan?**

1)

2)

3)

# LESSON 3

## Reducing our Carbon Footprint



### My Planet Promise

Write your planet promise below. Remember to send it in to the socials.

I,....., promise .....

#### CHALLENGE YOURSELF

Make a video: What can you do at home to reduce your Carbon Footprint?

Things to consider:

1. Where was it grown?
2. What can you do to reduce your consumption of animal products?
3. Don't forget to write a script and most importantly have fun.

Remember to tag us on the socials

@renewableenglish

[www.renewableenglish.co](http://www.renewableenglish.com)

[m](http://www.renewableenglish.com)



# LESSON 4

## What a Waste!



### Food Waste Vocabulary

Connect the picture to the word

STOCK

LEFTOVERS

INVENTORY

EDIBLE



### Food Waste Facts T/F

Watch the video and answer True(T) or False (F)

1. Less than 50% of food thrown away by supermarkets is still edible.
2. 1/3 of food we produce is wasted. 1.6 billion tonnes
3. 5% of carbon emissions are due to fod waste
4. Wasting a burger wastes as much water as a 90 minute shower.



### How to Avoid Food Waste @reducewastenow

1. Fruit and veg should be kept **together/separate**.
2. Carrots and Celeey should be kept in **water/oil**.
3. Onions should be kept **close to/away from** potatoes.
4. Make an "Eat me **First/Last**" section in your fridge.

## **LESSON 4**

### **What a Waste!**

#### **Interview Time**

**1. What is Susanne's main goal?**

A: Save Food

B: Save Money

C: Both

**2. How long is her challenge?**

A: 10 Days

B: 1 Week

C: 6 Weeks

**3. What inspired her to start Makeover my Leftover?**

A: Seeing how much food is wasted in restaurants.

B: She didn't want to waste money.

C: She loves eating cold food.

**4. How much water is wasted if we waste an apple?**

A: 5 Gallons.

B: 10 Gallons

C: 25 Gallons

# LESSON 4

## What a Waste!



### My Planet Promise

Write your planet promise below. Remember to send it in to the socials.

I,....., promise .....

#### CHALLENGE YOURSELF

**Make a video:** What can you do at home to reduce your food waste?

Things to consider:

Where do you keep your food?

What can you do with your leftovers?

Don't forget to write a script and most importantly have fun.



@RenewableEnglish

[www.renewableenglish.com](http://www.renewableenglish.com)

# LESSON 5

## The Weekly Shop



Connect the picture to the word.

Landfill

Single-use plastic

Microplastic

Upcycle



What do you remember from the video?



Watch the video and answer True(T) or False (F)

1. A plastic bottle will be around for about **100 years**.
2. More than **40 percent** of plastic is used just once, then tossed.
3. More than **6.3 billion tonnes** of plastic waste has been generated. Around **20%** of that has been recycled, **5%** burnt, and **75%** sent to landfill.

# LESSON 5

## The Weekly Shop



### Interview Questions

For the full interview check our YouTube page.

**1) What is Kids Against Plastic? And when was it founded?**

It's an \_\_\_\_\_ and was founded in \_\_\_\_\_

**2) To be plastic clever, which are the 4 main items of plastic we need to reduce/remove?**

- 1.
- 2.
- 3.
- 4.

**3) What inspired Amy and her sister to start K.A.P?**

- A) Renewable English's inspiring classes.
- B) A project based around the UN's sustainable development goals.
- C) They saw some rubbish at the beach.

**4) Other than the 4 main plastics, what extra item do plastic clever schools think about?**

**5) What type of hat does Harry say he wants to get from [kidsagainstplastic.co.uk](https://kidsagainstplastic.co.uk)?**

- A) A trendy top hat.
- B) A fabulous fez.
- C) A fancy trucker's hat.

# LESSON 5

## The Weekly Shop



### My Planet Promise

Write your planet promise below. Remember to send it in to the socials.

I,....., promise .....

#### CHALLENGE YOURSELF

**Make a video:**

**Upcycle** something old and send us your video.

OR

Go on a **litter pick** with some friends, show us how much you picked up

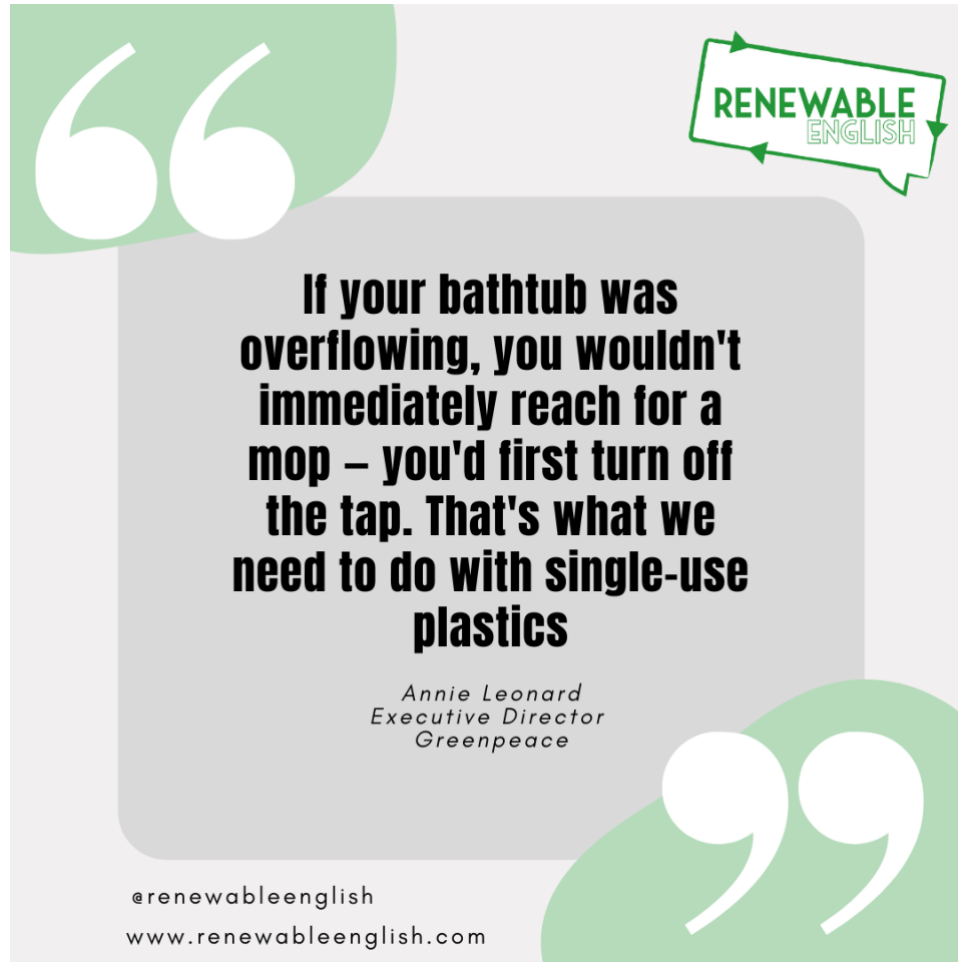
Things to consider:

**Don't forget your gloves.**

# LESSON 6

## Our Oceans

### Swimming in Plastic



**“**

**If your bathtub was overflowing, you wouldn't immediately reach for a mop – you'd first turn off the tap. That's what we need to do with single-use plastics**

*Annie Leonard  
Executive Director  
Greenpeace*

**”**

@renewableenglish  
www.renewableenglish.com



### Plastic Vocabulary

**Connect the word to its definition!**

- |                    |                             |
|--------------------|-----------------------------|
| Marine Debris      | A Tiny Piece of plastic     |
| Micro Plastic      | Rubbish on the floor        |
| Single-Use Plastic | Rubbish in the ocean        |
| Litter             | A plastic you use only once |

# LESSON 6

## Our Oceans

### Swimming in Plastic



#### Plastic Facts T/F

Watch the video and answer True(T) or False (F)

1. Every day approximately 3 million pieces of plastic pollution find their way into our oceans.(OSPAR, 2009)
2. Plastics make up 80% of all marine debris studied.(IUCN, 2020)
3. Plastic pollution kills over 100,000 marine mammals and over 1 MILLION sea birds every year. (UK Government, 2018)
4. Around 2,000 items of marine plastic pollution have been found per kilometre of beach in the UK. (Marine Conservation Society, 2016)



#### Task A

Can you find 5 spelling errors and 2 word errors in the reading below



#### Reading



4ocean was **founded** in the belief that busines can be a forse for good and that the single actions of individual persons, **collectively**, have the power to change the world.

The team are made up of passionate and hard-working educaters, reserchers, and action-takers who are fighting every single day to end the ocean plastic **crisis**.

Not only do their full-time captains and cruise recover harmful **marine debris** that's already polluting the ocean, rivers, and **coastlines**. They also work to stop plastic pollution at its source by educating people about this global crisis and **empowering** them to end their dependence on single-use plastic.



# LESSON 6

## Our Oceans

### Swimming in Plastic



#### Task B

Match the synonyms below to the words for in bold. There is an extra word!



#### Interview Questions

For the full interview check our [YouTube channel](#)

1. What is Kate Nelson also know as?

- A) Plastic Free Mermaid
- B) Plastic Free Champion
- C) Plastic, me? No Plastic Free

2. Where does Kate live?

- A) The Ocean
- B) Australia
- C) California

3. What does Kate say is the hard part about not buying plastic?

She says the hard part about buying plastic is.....

## LESSON 6 Our Oceans

### Swimming in Plastic

4. We need to avoid which two things when talking to people about reducing their plastics?

- 1)
- 2)

5. As a mermaid what does Kate say she is allergic to?

She says she's allergic to .....



### My Planet Promise

Write your planet promise below. Remember to send it in to the socials.

I,....., promise .....

[www.renewableenglish.com](http://www.renewableenglish.com)



@Renewablenglish



@RenewableEnglish



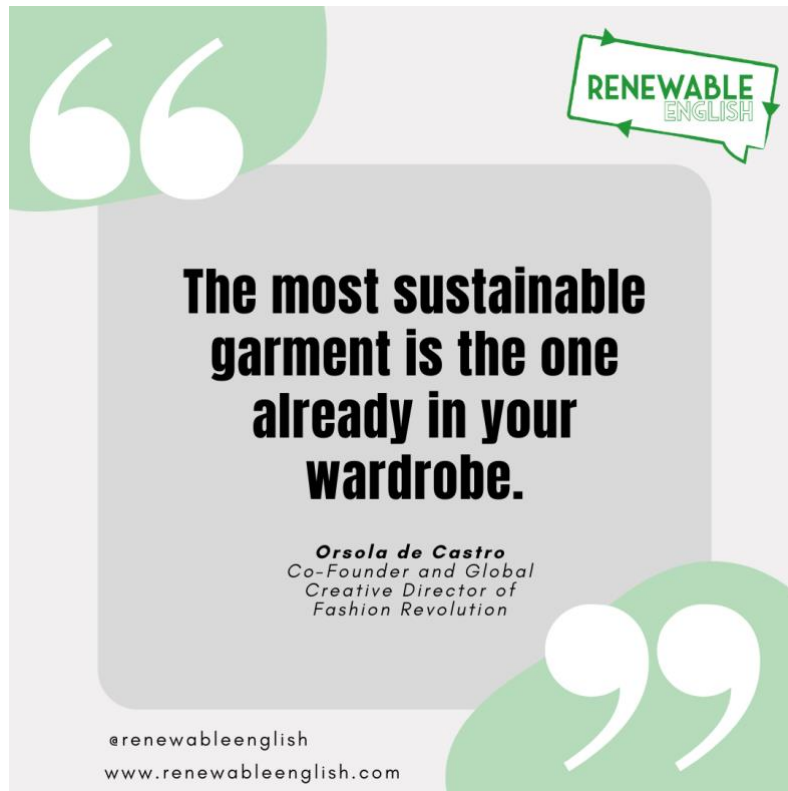
Renewable English



Renewable English

# LESSON 7

## Fashion Week



### Fashion Vocabulary

**Connect the word to its definition!**

Fast Fashion

A Tiny Piece of plastic

Second-hand

Rubbish on the floor

Synthetic Fibres

Rubbish in the ocean

Consumer

A plastic you use only once

# LESSON 7

## Fashion Week



### Fashion UnFun Facts T/F

**Watch the video and answer True(T) or False (F)**

1. The fashion industry is responsible for 5% of carbon emissions.

Source: UN Environment, 2019

2. Fashion is responsible for up to 35% of microplastic that flows into the ocean.

Source: The State of Fashion, McKinsey 2020

3. It takes 7,000 litres of water to make a pair of jeans and 2,700 to make a T-shirt

Source: Greenpeace

4. 9% of industrial water pollution comes from the treating and dyeing textiles.

Source: Greenpeace



### Interview Questions

**For the full interview check our [YouTube channel](#)**

**1. What was Cherie's job in fast fashion?**

- A) Creative Director
- B) Marketing executive
- C) Buyer

**2. What did she feel she was creating?**

- D) Amazing clothes
- E) Waste
- F) A better planet

## LESSON 7

### Fashion Week

#### 3. Why is fast fashion bad for the planet?

She says fast fashion is bad for the planet because.....

#### 4. What are her top tips to help people stay away from fast fashion?



#### My Planet Promise

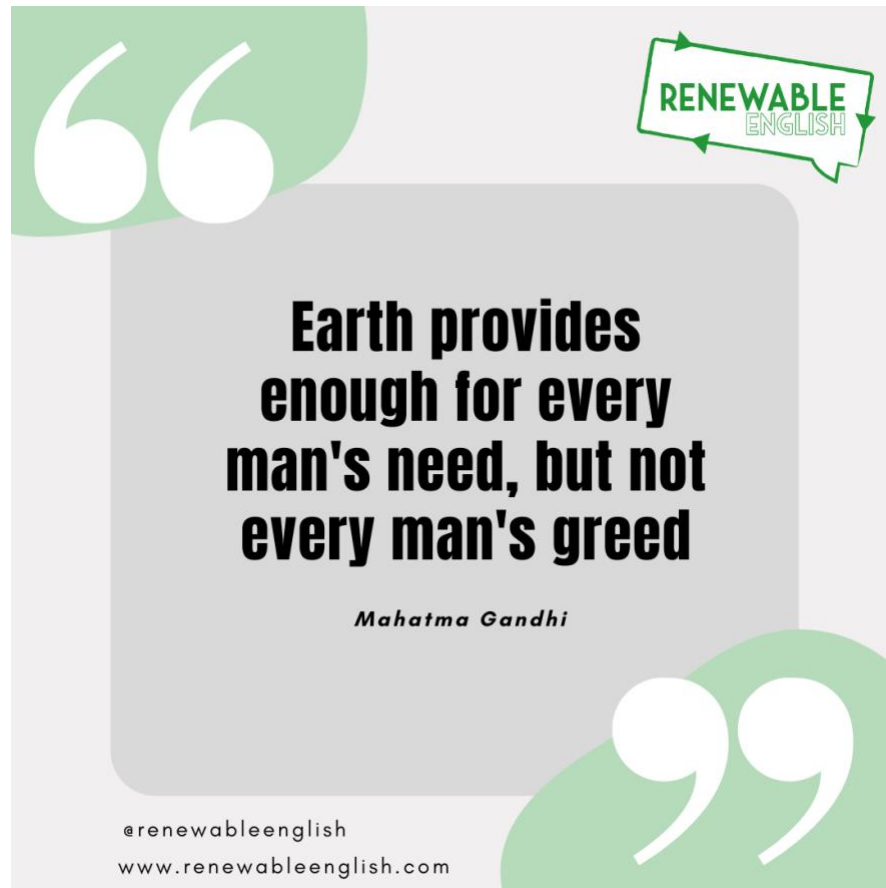
Write your planet promise below. Remember to send it in to the socials.

I,....., promise .....

[www.renewableenglish.com](http://www.renewableenglish.com)

## LESSON 8

### Health and Beauty



#### **Fashion Vocabulary**

**Connect the word to its definition!**

Fast Fashion

A Tiny Piece of plastic

Second-hand

Rubbish on the floor

Synthetic Fibres

Rubbish in the ocean

Consumer

A plastic you use only once

# LESSON 8

## Health and Beauty



### Fashion UnFun Facts T/F

**Watch the video and answer True(T) or False (F)**

1. More than 20 billion units of packaging are produced every year by the global cosmetics industry.

Source: Zero Waste

2. Perfumes, hairsprays and deodorants pollute the environment as much as car emissions.

Source: Science magazine

3. Up to 70% of cosmetic products contain palm oil

Source: Slow magazine

4. Plastics and deforestation are the only problems caused by cosmetics.

Source: Cosmetics summit

# LESSON 8

## Health and Beauty



### Interview Questions

For the full interview check our [YouTube channel](#)

1. What inspired Stella to “go eco”?

1. Toxic products
2. A friend told her to
3. She was against animal testing

2. How can we inspire people to use eco-friendly products?

1. Post memes
2. Raise awareness
3. Be an expert

3. What was the first thing Stella did to go eco, what was the first step?

Her first step was.....

4. Why are traditional beauty products bad for the environment?



### My Planet Promise

Write your planet promise below. Remember to send it in to the socials.

I,....., promise .....

[www.renewableenglish.com](http://www.renewableenglish.com)

Did you like the class? Please feel free to [donate here](#)



## LESSON 9

### Travel and Tourism



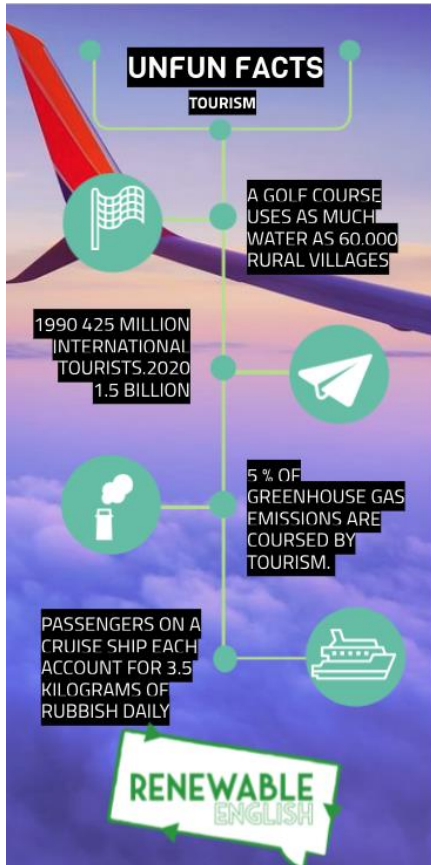
#### Travel and Tourism Vocabulary

**Connect the word to its definition!**

Eco-Tourism	A person in a place they don't live
Tourist	The easiest way to increase your carbon footprint
Cruise	Watching whales
Whale Watching	Less damaging than traditional tourism

# LESSON 9

## Travel and Tourism



### Travel and Tourism UnFun Facts T/F

Are the statements is True(T) or False (F)

1. Golf courses us as much water as 15,000 rural villages.
2. The number of international tourists has more than trebled in 30 years.
3. 5% of Greenhouse gas emission are caused by tourism.
4. Each passenger on a cruise creates an average of 2kgs of rubbish A DAY!

# LESSON 9

## Travel and Tourism



### Interview Questions

For the full interview check our [YouTube channel](#):

1. **Where are Eagle Wing Tours”?**
  1. Toxic products
  2. A friend told her to
  3. She was against animal testing
  
2. **What inspired Eagle Wing Tours?**
  1. Toxic products
  2. A friend told her to
  3. She was against animal testing
  
3. **What are the 4 pillars of Eagle Wing Tours?**
  - 4.
  - 5.
  - 6.
  - 7.
  
4. **What are Eagle Wing Tours doing to be more sustainable?**



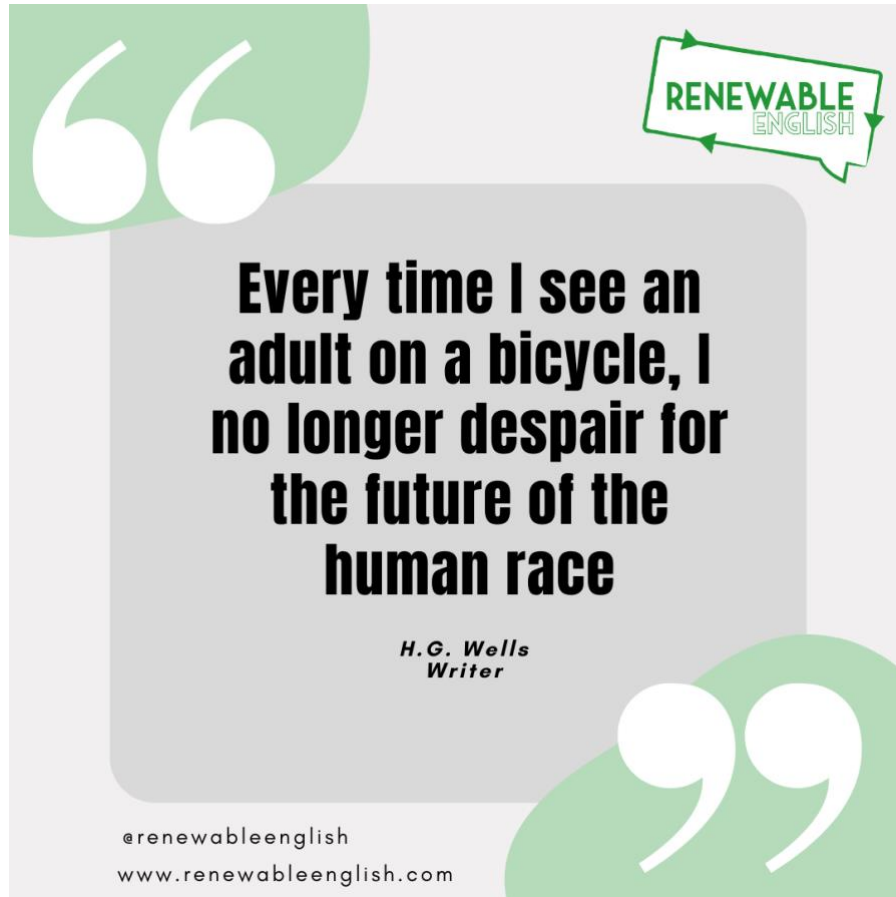
### My Planet Promise

Write your planet promise below. Remember to send it in to the socials.

I,....., promise .....

# LESSON 10

## Transport



### Transport Vocabulary

**Connect the word to its definition!**

Diesel and Petrol

carbon dioxide released by something

Skint

a mixture of solid particles and gases in the air

Co2 emissions

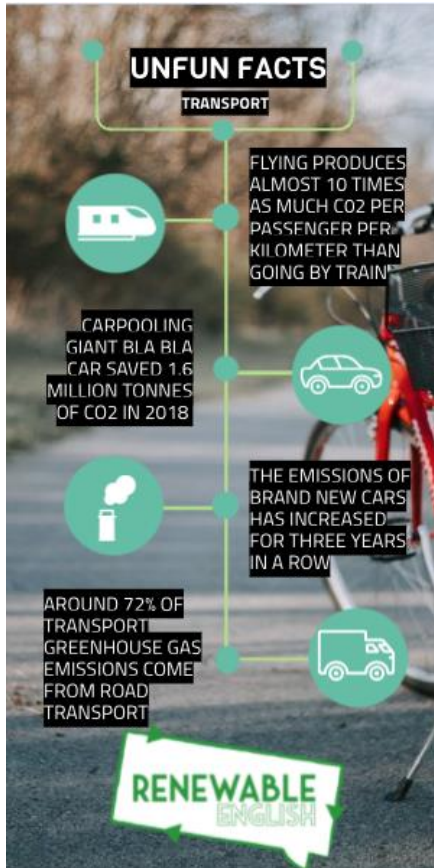
to have no money

Air pollution

types of fuel

# LESSON 10

## Transport



### Transport UnFun Facts T/F

Is the statement is True(T) or False (F)

1. Trains produce 10 times as much co2 as planes.
2. Carpooling giant BlaBla Car saved 1.6 million tonnes of co2 in 2018
3. Brand new cars produce fewer emissions than older cars.
4. 50% of transport emissions come from road transport

# LESSON 10

## Transport



### Interview Questions

For the full interview check our [YouTube channel](#):

1. Why did Hattie start cycling”?

1. She loves bikes
2. She hates CO2
3. She was a student and didnt have much money

2. What are the benefits of cycling?

- 4.
- 5.
- 6.

3. Which small changes does she talk about?

- 8.
- 9.



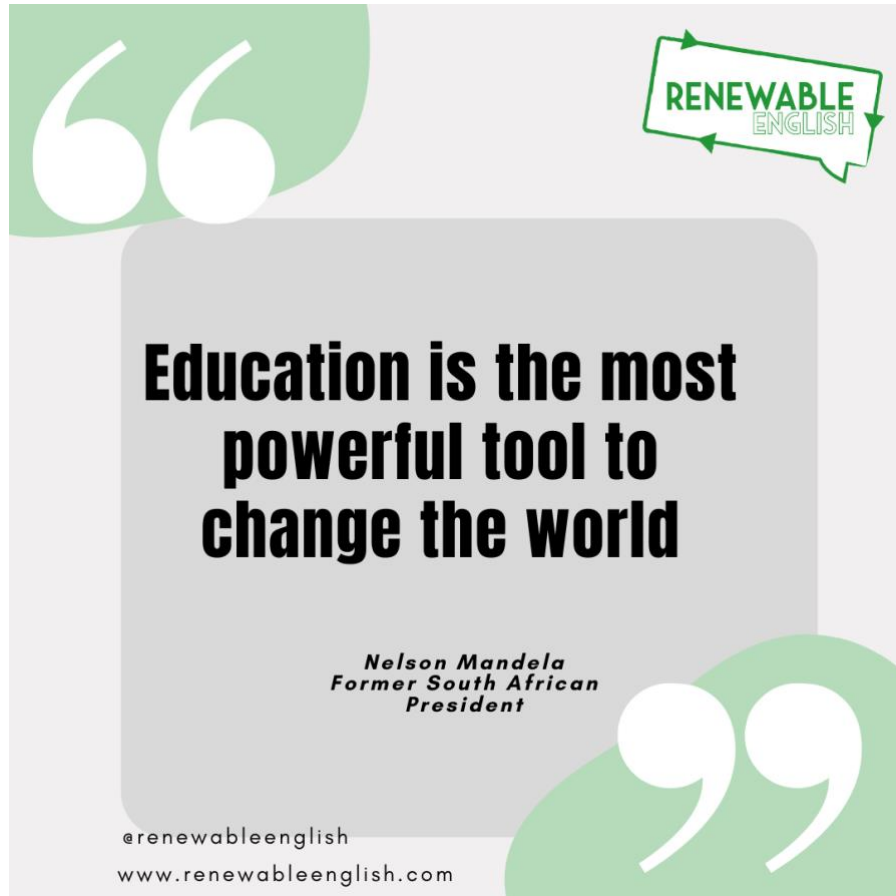
### My Planet Promise

Write your planet promise below. Remember to send it in to the socials.

I,....., promise .....

# LESSON 11

## School



### School Vocabulary

**Connect the word to its definition!**

Sheet of paper

the food you take to school

Refillable Bottle

the thing you write and draw on

Packed Lunch

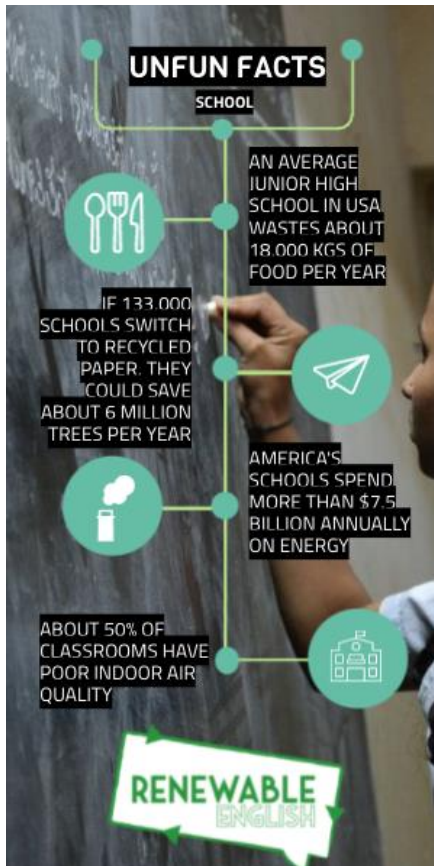
a source of H<sub>2</sub>O

Water fountain

A bottle you can use more than once

# LESSON 11

## School



### School UnFun Facts T/F

Are the statements is True(T) or False (F)

1. Every school wastes 18,000 kgs of food a year.
2. Switching to recycled paper could save 6 million trees
3. School spend more on energy than they do on books and computers combined.



# LESSON 11

## School



### Interview Questions

1. **What was Jonathan the co-founder of?**
  1. Green Schools
  2. Green Standard Schools
  3. The greenest Schools In Town
  
2. **When did he come up with the idea of GSS?**
  7. 2007
  8. 2009
  9. 2021
  
3. **What inspired him?**
  
4. What was his greatest achievement?



### My Planet Promise

Write your planet promise below. Remember to send it in to the socials.

I,....., promise .....

[www.renewableenglish.com](http://www.renewableenglish.com)

Did you like the class? Please feel free to [donate here](#)

## LESSON 12

# Celebrations



*"I love a good celebration, be it a birthday, mothers' day, an anniversary or just because it's Wednesday. We need to celebrate. Let's just make sure our joy isn't at the cost of the planet's health."*

**-Harry Waters (just now)**



### **Celebration Vocabulary**

**Connect the word to its definition!**

Party

Knives and forks

Bunting

Not taking too much food

Portion Control

Little flag decorations

Plastic cutlery

A great way to celebrate

# LESSON 12

## Celebrations



1. **Who did Fun Frank have a Songversation with?**
2. **How long is the celebration going to last?**
3. **What did Kool tell Frank to bring?**
4. **What are they going to do?**
5. **What time is it?**
6. **Who's invited to the celebration?**

# LESSON 12

## Celebrations



### Interview Questions

1. **What was Isabel Mack the founder of?**

1. The Party Kit Crew
2. The Party Kit Net Work
3. The greenest Schools In Town

2. **What is the Party kit network?**

10. A non-profit organisation that connects people with reusable party materials.
11. A balloon blowing team
12. A brand new social media.

3. **What is the biggest area to consider with a sustainable party?**

1. Drink
2. Balloons
3. Food

4. **What are her ideas to replace party bags?**



### Charity Work

**What did Harry do and which charity did he do it for?**

# LESSON 12

## Celebrations



### My Planet Promise

Write your planet promise below. Remember to send it in to the socials.

I,....., promise .....

[www.renewableenglish.com](http://www.renewableenglish.com)

Did you like the class? Please feel free to [donate here](#)



@Renewablenglish



@RenewableEnglish



Renewable English



Renewable English

# Renewable English

## Series 1: A Greener Coursebook

Thanks for completing the first series of Renewable English.

Series 2 will be taking a closer look at the United Nation's Sustainable Development Goals.

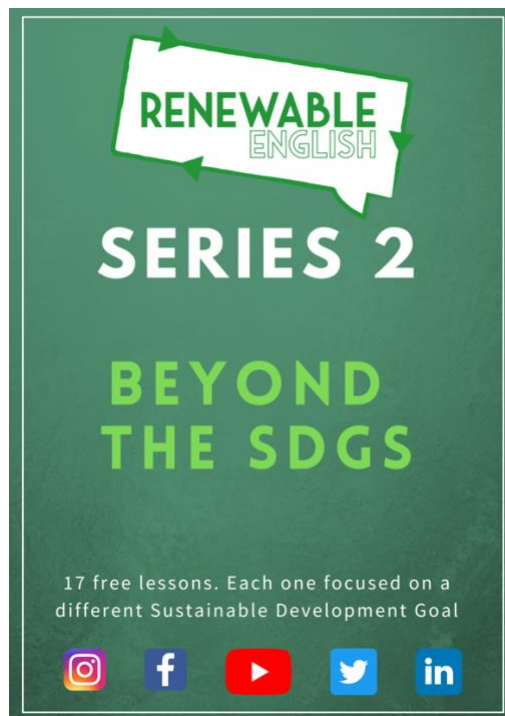
Stay tuned for more updates.

To have your say and join in the conversation, stay in touch across social media

**@renewableenglish**

[www.renewableenglish.com](http://www.renewableenglish.com)

At Renewable English we believe in free access to education for everyone the world over. If you're enjoying the lessons, please help us keep it free by [donating here](#)



**Renewable English**  
**Series 1: A Greener Coursebook**

*<https://heyzine.com/flip-book/498c6476b0.html>*