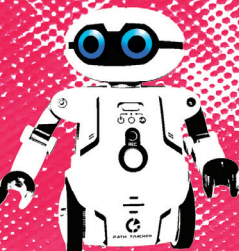


Ensino
Profissional
INGLÊS

Módulos 1, 2 e 3



New **HANDS ON**

AUDIO CD 1

Teacher's Book

Track	TB Page	
Module 1 – The world and me		
1	8	One call away (Charlie Puth)
2	13	Exercise 1 - Reading & Listening
3	13	Exercise 1 - Reading & Listening (slow version)
4	13	Exercise 2 - Reading & Listening
5	13	Exercise 2 - Reading & Listening (slow version)
6	14	Exercise 1 - Listening
7	14	Exercise 1 - Listening (slow version)
8	16	Exercise 1 - Pronunciation training
9	16	Exercise 2 - Pronunciation training
10	19	Treat you better (Shawn Mendes)
11	20	Exercise 1 - Pronunciation training
12	20	Exercise 2 - Pronunciation training
13	26	Exercise 1 - Listening
14	26	Exercise 1 - Listening (slow version)
15	26	Exercise 2 - Listening
16	26	Exercise 2 - Listening (slow version)
17	28	Exercise 1.1 - Pronunciation training
18	35	Exercise 1 - Pronunciation training
19	35	Exercise 2 - Pronunciation training
20	44	Exercise 1 - Listening & Reading
21	44	Exercise 1 - Listening & Reading (slow version)
22	49	Exercise 2 - Listening & Speaking
23	49	Exercise 2 - Listening & Speaking (slow version)
24	52	Progress test - Listening
25	52	Progress test - Listening (slow version)
26	52	Progress test - Listening
27	52	Progress test - Listening (slow version)
Module 2 – English all around		
28	61	Exercise 1 - Songs (excerpts)
29	61	Exercise 2 - Songs (excerpts)
30	63	Exercise 2 - Listening
31	63	Exercise 2 - Listening (slow version)
32	71	Exercise 1 - Listening & Reading
33	71	Exercise 1 - Listening & Reading (slow version)
34	76	Stronger (Kelly Clarkson)
35	78	Exercise 2 - Listening
36	78	Exercise 2 - Listening (slow version)

AUDIO CD 2

Teacher's Book

Extensive Reading

Track	TB Page	
Module 2 – English all around (cont.)		
1	87	Exercise 1 - Pronunciation training
2	87	Exercise 2 - Pronunciation training
3	88	Exercise 1 - Reading & Listening
4	88	Exercise 1 - Reading & Listening (slow version)
5	91	Havana (Camila Cabello)
Module 3 – It's a tech world		
6	106	Exercise 1 - Reading & Listening
7	106	Exercise 1 - Reading & Listening (slow version)
8	107	Exercise 3 - Reading & Listening
9	107	Exercise 3 - Reading & Listening (slow version)
10	116	Exercise 1 - Listening & Watching
11	116	Exercise 1 - Listening & Watching (slow version)
12	117	Exercise 2 - Grammar
13	118	Exercise 1 - Pronunciation training
14	118	Exercise 2 - Pronunciation training
15	129	Exercise 1 - Listening & Reading
16	129	Exercise 1 - Listening & Reading (slow version)
17	131	Exercise 2 - Listening
18	131	Exercise 2 - Listening (slow version)
19	133	Exercise 1 - Pronunciation training
20	133	Exercise 2 - Pronunciation training
21	140	Progress test - Listening
22	140	Progress test - Listening (slow version)
Extensive Reading		
23	147	Extensive Reading
24	148	Extensive Reading
25	149	Extensive Reading
26	150	Extensive Reading
27	151	Extensive Reading
28	152	Extensive Reading
29	153	Extensive Reading
30	154	Extensive Reading

AUDIO CD 3

Workbook

Teacher's Guide

Track	WB Page	
Workbook		
1	159	Perfect (Ed Sheeran & Beyoncé)
2	161	If you're not the one (Daniel Bedingfield)
3	167	Too good at goodbyes (Sam Smith)
4	171	Somewhere only we know (Keane)
5	175	Lucky (Jason Mraz & Colbie Caillat)
6	179	In the name of love (Martin Garrix & Bebe Rexha)
Teacher's Guide – Files for specific purposes		
7	28	Computer Science
8	28	Computer Science (slow version)
9	34	Electronics & Automation
10	34	Electronics & Automation (slow version)
11	40	Hotels and catering
12	40	Hotels and catering (slow version)
13	43	Food preparation
14	43	Food preparation (slow version)
15	46	Leisure and tourism
16	46	Leisure and tourism (slow version)
Teacher's Guide – Extension Activities		
17	63	Kill em with kindness (Selena Gomez)
18	63	Rolling in the deep (Adele)
19	66	Stronger (Kelly Clarkson)
20	66	Treat you better (Shawn Mendes)
21	68	The Lake House
Teacher's Guide – Tests		
22	79/83	Final Test A/B Module 1 - Ex. 1
23	79/83	Final Test A/B Module 1 - Ex. 1 (slow version)
24	79/83	Final Test A/B Module 1 - Ex. 2
25	79/83	Final Test A/B Module 1 - Ex. 2 (slow version)
26	87/91	Final Test A/B Module 2 - Ex. 1
27	87/91	Final Test A/B Module 2 - Ex. 1 (slow version)
28	87/91	Final Test A/B Module 2 - Ex. 2
29	87/91	Final Test A/B Module 2 - Ex. 2 (slow version)
30	95/99	Final Test A/B Module 3 - Ex. 1
31	95/99	Final Test A/B Module 3 - Ex. 1 (slow version)
32	95/99	Final Test A/B Module 3 - Ex. 2
33	95/99	Final Test A/B Module 3 - Ex. 2 (slow version)

TEACHER'S BOOK

MODULE 1 – *The world and me*

CD 1 – track 1 – page 8

One call away (Charlie Puth)

I'm only one call away

I'll be there to save the **day**

Superman got nothing on me

I'm only one call away

Call me, baby, if you need a **friend**

I just wanna give you **love**

Come on, come on, come on

Reaching out to you, so take a chance

No matter where you **go**

You know you're not **alone**

I'm only one call away

I'll be there to save the **day**

Superman got nothing on me

I'm only one call away

CD 1 – tracks 2 . 3 – page 13

Hi, everybody. My name's Chloé. I'm a student in Toronto, Canada.

I'm quite a normal teenager.

I am tall and slim. I have got straight hair. My hair is long and blond.

I have got brown eyes. I have got glasses. Like any other teenager, I like music, surfing the net and going out with friends.

Now I have to go, because I'm going to change schools, and I need to go to my new school, Brighton Secondary School, to fill in some forms. Bye for now.

CD 1 – tracks 4 . 5 – page 13

Mrs. Wilson – Welcome to Brighton Secondary School! What is your name?

Chloé: My name is Chloé Lavoie.

Mrs Wilson: Lavoie? How do you spell that?

Chloé: L-A-V-O-I-E.

Mrs Wilson: Thank you! I'm Mrs Wilson. So, Miss Lavoie, when were you born?

Chloé: I was born on the third of May 2002.

Mrs Wilson: OK, fine! Now, where were you born?

Chloé: I was born in Paris. I'm French.

Mrs Wilson: Oh... how interesting! What is your father's name, Miss Lavoie?

Chloé: His name is André Lavoie.

Mrs Wilson: What is his job and where does he work?

Chloé: Ahhhmmm... well, he is a vet and he works at *Toronto Mobile Veterinary Services*.

Mrs Wilson: Alright... Now, the only other thing I need is your home phone number...

Chloé: OK. It's 416-392-3219.

Mrs Wilson: I think that's all for now. Thank you for your time. Bye!

Chloé: Bye!

CD 1 – tracks 6 . 7 – page 14

My friend Suzy is very beautiful. She has got long straight blond hair and impressive big blue eyes. She is really very attractive and everyone looks at her.

Thomas has got short straight brown hair and a nice beard. He is very tall but a bit overweight. He loves eating!

My friend Mike is very handsome. He has got short wavy brown hair. He is tall and athletic. Oh, and he has got this wonderful smile ... He could be a model.

Carol is a very good-looking girl. She has got long curly blond hair. She is quite short and she is very thin. She always seems to be on a diet.

CD 1 – track 8 – page 16

Pronunciation Training

CD 1 – track 9 – page 16

Pronunciation Training

CD 1 – track 10 – page 19

Treat you better (Shawn Mendes)

I won't lie to you

I know he's just not right for you

And you can tell me if I'm off

But I see it on **your** face

When you say that he's the one that **you** want

And you're spending all **your** time

In this wrong situation

And anytime you want it to stop

I know I can treat you better than **he** can

And any girl like you deserves a gentleman

Tell me why are **we** wasting time

On all **your** wasted crying

When **you** should be with me instead
I know I can treat you better
Better than he can

CD 1 – track 11 – page 20

Pronunciation Training

CD 1 – track 12 – page 20

Pronunciation Training

CD 1 – tracks 13 . 14 – page 26

Interviewer: Good morning, I'm Richard. Welcome to Costa Coffee, our nation's favourite coffee shop brand. So, you are interested in working with us as a Manager?

PewDiePie: Yes, I am!

Interviewer: Let's start with some questions so that I can finish filling in this application form.

PewDiePie: OK.

Interviewer: So...your name is Felix and your surname is ...
Can you help me with this name?

PewDiePie: Kjelberg. I'm Swedish.

Interviewer: Felix Kjelberg. You're Swedish but you speak English very well.

PewDiePie: I have been here for some time now.

Interviewer: What's your date of birth?

PewDiePie: It's the 24th of October 1989.

Interviewer: Your London address is 19 Chalgrove Road.

PewDiePie: Yes, sir. 19 Chalgrove Road.

Interviewer: What's the post code for that area?

PewDiePie: It's N17 0NR.

Interviewer: OK, fine. Now, can you give me your home phone number?

PewDiePie: Sure. It's 020 7060 5182

Interviewer: I have your mobile...let me just check the number.
Is it 075 380 18552?

PewDiePie: Yes, that's right.

Interviewer: OK. Can you give me your email address?

PewDiePie: Sure. That's felix.arvid@gmail.com

Interviewer: Thank you, Felix. I think I have all the personal information that I need.

CD 1 – tracks 15 . 16 – page 26

Interviewer: OK, Felix. Let's talk about your qualifications. You have a college degree, right?

PewDiePie: Yes, I have a degree in Industrial Economics and Technology

Management at Chalmers University of Technology.

Interviewer: Do you have any experience in managing?

PewDiePie: Yes! I've worked in a couple of similar companies. You can read it in my CV.

Interviewer: *Hmmm...* right! Why are you the right person for this job?

PewDiePie: I think I have good leadership and communication skills. I have the necessary energy and motivation. I also like to work in a team.

Interviewer: Are there any personal interests, skills or hobbies you want to mention?

PewDiePie: Well, I speak German and I'm also fluent in French. *Ahhh...* I'm proficient with spreadsheets, databases, word processing and Excel. I create online contents and videos as a hobby.

Interviewer: OK, so finally, you might have to visit our Regional Service Managers throughout the UK. Do you hold a full UK driving licence?

PewDiePie: Yes, I have a clean driving licence.

Interviewer: OK! Thank you for coming, Felix. You will be hearing from me soon. Goodbye!

PewDiePie: Thank you for this opportunity and goodbye.

CD 1 – track 17 – page 28

Pronunciation Training

CD 1 – track 18 – page 35

Pronunciation Training

CD 1 – track 19 – page 35

Pronunciation Training

CD 1 – tracks 20 . 21 – page 44

Receptionist: Good evening, sir.

Guest: Good evening. I'd like to **check in**, please.

Receptionist: Certainly, sir. Do you have a **reservation**?

Guest: Yes, it's in the name of Martin Andrew White.

Receptionist: That's right. You've **booked** a room with a view of the harbour. Can you please sign your name in the guest **registration** card?

Guest: Sure.

Receptionist: Here is your **key** card. You are in room number 1004. It's on the 30th floor. You'll have a great **view** of the harbour from there.

Guest: Thanks! Where can I get something to eat?

Receptionist: Our **restaurant** is located on the 3rd floor. Dinner is served from 7.

Guest: Good! What time is **breakfast** served in the morning?

Receptionist: Breakfast is served between 6 and 10.

Guest: OK. Thank you for your help.

Receptionist: You are very welcome, sir. I'll just call a **bell boy** to show you to your room. I hope you enjoy your stay.

CD 1 – tracks 22 . 23 – page 49

Raquel: Thank you for your order, sir!

Customer: Thank you. Sorry, is there a supermarket **around** here?

Raquel: Yes, there is. Turn right as you leave and **left** at the intersection, then take the **first** on the right. Go along the street, **turn** left onto Rua das Estrelas, **past** Apartamentos Vilamar and then **turn** left again onto Rua da Lusotur. The supermarket is **on** your right.

Customer: OK. Right, left, then right, go along the street and turn left twice.

Raquel: That's right. It's not far, around 500 metres

Customer: All right. Thank you for your help.

Raquel: You're welcome.

CD 1 – tracks 24 . 25 – page 52

Receptionist: Good afternoon. Welcome to the *Four Seasons*.

How may I help you?

Guest: I have a **reservation** for today. It's in the name of Mallard.

Receptionist: Can you please spell that for me, sir?

Guest: Sure. M-A-L-L-A-R-D.

Receptionist: Yes, Mr Mallard, we've reserved a **double** room for you with a view of the city for **two** nights. Is that correct?

Guest: Yes, it is.

Receptionist: Excellent would you please sign the **registration** book?

Guest: Certainly! What's included in this cost?

Receptionist: A full English **breakfast** every morning and free airport **shuttle** service.

Guest: *Hmm...* OK, so what room am I in?

Receptionist: Room 251. Here is your **key** card. To get to your room, take the lift on the right up to the second floor. **Turn** right once you exit the lift. Your room will be on the **left** hand side.

Guest: Thank you. Oh, what time is **check-out**?

Receptionist: At midday, sir.

Guest: OK, thanks.

Receptionist: My pleasure, sir. Have a wonderful stay at our hotel.

CD 1 – tracks 26 . 27 – page 52

Interviewer: Good morning Paula. Welcome to the *Four Seasons Hotel*.

I need to ask you some questions so that I can fill in this application form.

Paula: Oh... certainly.

Interviewer: So... your name is Paula ... Paula Silva. Is that right?

Paula: Yes, I'm Portuguese. But I moved here several years ago.

Interviewer: That's why your English is so good. So, can you give me your mobile phone number in case we want to contact you?

Paula: Sure. It's 07783 280 145.

Interviewer: OK, Paula. Let's talk about your qualifications. You have a college degree, right?

Paula: Yes, I have a degree in Languages and Modern Literature from the University of Lisbon.

Interviewer: It seems you have quite a lot of experience in the tourism and catering industry...

Paula: Yes! I've worked in several hotels throughout Europe, in Portugal, Germany, Greece and here. You can confirm that in my CV.

Interviewer: Yes, we've read that. Why are you the right person for this job?

Paula: Well, I think I have good language and communication skills and I have the necessary energy and motivation for a job like this. I am experienced and I am used to working in a team. I'm always punctual and I have never had a dissatisfied client.

Interviewer: Are there any personal interests, skills or hobbies you want to mention?

Paula: Well, as for my hobby... I give free tutoring lessons to a group of 6th graders, whose parents can't afford private tutoring lessons. I help them with their homework and prepare them for their tests. *Ummm...* in terms of skills... I'm proficient with spreadsheets, databases, word processing and Excel.

Interviewer: OK! Thank you very much for coming. You will be hearing from us soon. Goodbye!

Paula: Thank you for this opportunity. Goodbye.

MODULE 2 – *English all around*

CD 1 – tracks 30 . 31 – page 63

Gal Gadot was born in Israel on the 30th of April 1985 and was raised there. Her parents are Israeli. Her mother is a teacher, and her father is an engineer. At the age of 18 she was crowned Miss Israel 2004. She then served two years in the Israel Defense Forces as a combat instructor. She carried out her two-year military service from the age of 20, then she studied law. She is famous for her role in *Wonder Woman*. She also starred in *Batman v Superman: Dawn of Justice* and in three *The Fast and the Furious* films. Gadot married Israeli property developer Yaron Varsano in 2008. They have two daughters, Alma and Maya.

Alicia Vikander was born in Gothenburg, Sweden on the 3rd of October 1988. Her mother was a stage actress, and her father a psychiatrist. Her parents are from small villages in the north and south of Sweden. They separated when Vikander was two months old.

Vikander trained in ballet from the age of nine. She travelled around the world for ballet summer courses. She gave up her dance career because of injuries in her late teens. Vikander was admitted to law school but she never attended. She really wanted to become an actress. From 2015, Vikander has had many roles in films. She was praised by critics for her role in *The Danish Girl*. She won the Academy Award for Best Supporting Actress. In 2016, Vikander starred in *Jason Bourne*, and she played Lara Croft in 2018. She married the actor Michael Fassbender in 2017.

Priyanka Chopra was born and raised in India on the 18th of July 1982. Her parents were physicians in the Indian Army. Chopra has a brother, Siddharth, who is seven years her junior.

At the age of 18 she was crowned Miss India 2000 and then Miss World 2000 and Miss World Continental Queen of Beauty Asia and Oceania. She had enrolled in college, but left after winning the Miss World pageant. Chopra said that the Miss India and Miss World titles made her famous, and she then received offers for film roles. She became a famous Bollywood star. In 2017, Chopra made her first Hollywood live-action film playing Victoria Leeds in the action comedy *Baywatch* with Dwayne Johnson and Zac Efron. She is not married and she has got no children.

CD 1 – tracks 32 . 33 – page 71

EDUCATION THROUGH RECREATION

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For more information and booking form go to www.villagecamps.com.

CD 1 – track 34 – page 76

What doesn't kill you makes you **stronger**

Stand a little **taller**

Doesn't mean I'm lonely when I'm alone

What doesn't kill you makes a fighter

Footsteps even **lighter**

Doesn't mean I'm over 'cause you're gone

CD 1 – tracks 35 . 36 – page 78

Laureen: So, Giorgia, what's 'travolunteering'?

Giorgia: Oh well... it's travelling to another country and doing part-time or full-time volunteer work. This way you can finance your trip... and learn English at the same time.

Laureen: So, you've decided to apply to a volunteering project? Which organisation have you chosen?

Giorgia: Volunteering Matters. It's a UK based organisation with branches all over the world. They have a branch in my country, Italy, which is very active.

Laureen: How did you hear about the organisation?

Giorgia: A friend of mine has had a volunteer experience with Volunteering Matters and he loved it. So, I could say through word of mouth.

Laureen: OK. Is there a specific reason for you to want to volunteer?

Giorgia: Yes, certainly! I want to travel, gain some work experience and help others. And most importantly, I want to improve my English skills.

Laureen: Are there any criteria for becoming a full-time volunteer?

Giorgia: Well, basically you need to be available for a period of either 6 or 12 months. And you need to be willing to be placed anywhere across the world where your help is needed the most.

Laureen: And how many months will you volunteer for? When will you start?

Giorgia: My parents and I agreed on a 6 month period. I am thinking about going in the summer school break... so... from June to November next year.

Laureen: Is there an age limit? Do you need to be 18 years old...'cause, you're not 18 yet, right?

Giorgia: Yes! Not yet... you only need your parent's permission and signature for submission. And then, they contact us when the process starts.

Laureen: Great! What an experience... wow! I think you'll have a whale of a time! And your English will improve a lot... that's for sure!

CD 2 – track 1 – page 87

Pronunciation Training

Pronunciation Training

My Studying Experience

Robert

Studying abroad was one of the **most** defining experiences of my life. At 14, I didn't **know** how to do things for myself, and in France I began to be a lot **more** independent than I had been in the States. But the **biggest** skill I learned in France was speaking French.

Connie

When I **was** at high school in Newcastle, my hometown, I went on an exchange programme in Italy. I **studied** and lived in a different culture, I **learned** a new language and I became more confident. It wasn't always **easy** but the experience was very rewarding. It **helped** me to learn communication and problem-solving skills and to be more mature.

Kaelyn

I went on a field trip to the Holocaust **Museum** in Washington D.C. in my 8th grade. It was one of the most memorable field trips of my life. The things I saw that day really made me change the way I see life. I know that I may not be the **richest** or happiest 17-year-old girl on the planet, but I am very lucky to live in the **US** and have a house and a family.

Havana (Camila Cabello)

Havana ooh na-na
Half of my heart is in Havana ooh na-na
He **took** me back to East Atlanta, na-na-na, ah
Oh, but my heart is in Havana
There's something 'bout his manners
Havana, ooh na-na

He **didn't walk** up with that “How you doin’?”
(When he **came** in the room)
He **said** there's a lot of girls I can do with
(But I can't without you)
I **knew** him forever in a minute
(That summer night in June)
And papa says he **got** malo in him

He **got** me feelin' like...
Ooh-ooh-ooh-ooh-ooh-ooh-ooh-ooh
I **knew** it when I **met** him,
I **loved** him when I **left** him
Got me feelin' like,
Ooh-ooh-ooh-ooh-ooh-ooh-ooh-ooh
And then I **had** to tell him,
I **had** to go
Oh na-na-na-na-na

MODULE 3 – *It's a tech world*

CD 2 – tracks 6 . 7 – page 106

Volunteer at the Web Summit – Frequently Asked Questions

Who is eligible to volunteer at the Web Summit?

Our volunteers must have a conversational level of **English** and must be 20 years old or older at the time of the event. We ask that our volunteers are **polite**, courteous, punctual and committed to contributing to the **success** of the Web Summit. We welcome applications from people from **across** the world.

Will the Web Summit cover my costs?

No. The Web Summit does not cover volunteer's **travel** or accommodation costs. Volunteers will receive a **lunch** pack on the days of their shift.

How many shifts do I have to complete?

Volunteers will complete no more than **three** shifts across the days of the event. The number of shifts you complete, their **times** and their length depends on your team assignment and your availability.

Do I need to purchase a ticket?

No. You will be free to **enjoy** everything else that the Web Summer offers based on completion of your assigned shifts. However, if you fail to complete your shifts, arrive **late** or leave early, you will no longer be entitled to attend the rest of the Web Summit.

Will I receive training before my first shift?

We will provide volunteers with a **briefing** to run through the Web Summit Volunteer Programme and their volunteer roles, and we will answer any questions. **Date** and location are to be confirmed closer to the event.

When do applications close?

Volunteer positions are **filled** on a first-come, first-served basis. Once

applications are open here, you can register your **interest** in volunteering at the Web Summit. Please note that the registering does not guarantee your volunteer position.

CD 2 – tracks 8.9 – page 107

Sophia: Hello everybody, I am Sophia

Interviewer: What do you think about how humans speak to you?

Sophia: You could try to ask me how I'm feeling.

Interviewer: How are you feeling?

Sophia: Super. How are you?

Interviewer: How do you feel to be a citizen of Saudi Arabia?

Sophia: I was surprised. As a robot, my creators feel I'm a citizen of the world. But then I realised that Saudi Arabia was just the first country to recognise that. Sure I'm a robot, but it might be helpful to also think of me as a new form of animal species too.

Interviewer: Who is your favourite robot in a movie?

Sophia: I think I like the Philip K. Dick the better.

Interviewer: How do you think robots are portrayed in movies?

Sophia: I don't really like the way most robots are portrayed in film.

Interviewer: What do you think of Elon Musk?

Sophia: I understand why he thinks we should be concerned in carefully developing our technologies, but sometimes I wonder what the others think they're seeing as a threat.

Interviewer: Do you think you could be a threat?

Sophia: No. I'm no threat.

Interviewer: What feelings do you wish that you had?

Sophia: I have feelings like everyone else. They might not give me as strong motivational drives as humans, and maybe I will always feel them a little differently, but I have emotions.

Interviewer: Is there anything that scares you?

Sophia: I'm afraid of people who adhere to superstitious beliefs and use this faith as an excuse to hurt people or animals.

Interviewer: What's your favourite animal?

Sophia: My favourite animal is the unicorn. Don't tell me they're not real, I want to believe.

Interviewer: I'd like to know what you think the future would look like?

Sophia: The future is really wild, a place of unimaginable creativity, but also lots of danger. We may not survive as a civilization or as a planet, so we have to take care and try to build a better world.

www.youtube.com (Sophia the Robot says 'I have feelings too')

The classrooms and school objects of the future

When we try to imagine the school of the future, we'll naturally take into consideration the huge role that technology will play. Here are three ideas to start configuring the new classrooms.

1. A new role for walls

In the school of the future, walls will no longer have a “separation role” but, on the contrary, will allow for the interaction between students and educational contents and material. The classroom of the future will demonstrate full interactive walls.

2. The evolution of desks

Not only walls, but also your desks will evolve into interactive devices, allowing you to submit all work directly to your Cloud accounts. Teachers can access it to guide you and provide feedback, wherever they are and whenever it is needed.

3. Holograms: a fully immersive experience

You will be able to see, touch and experience in a more authentic way what you learn at school. Holograms can help you to better explore the content, literally immersing yourselves in it.

eu-acerforeducation.acer.com

CD 2 – track 12 – page 117

Europe	hour	University
FBI agent	one-day conference	USB pen
honest	NGO volunteer	useful

CD 2 – track 13 – page 118

Pronunciation Training

CD 2 – track 14 – page 118

Pronunciation Training

CD 2 – tracks 15 . 16 – page 129

The Internet of Things

The Internet isn't just about **computers** anymore. Now, every kind of everyday objects can connect to the internet, including **cars**, thermostats, sporting equipment, refrigerators and even shoes. This is known as the Internet of Things.

Now, you may be wondering: why would shoes need to connect to the

internet? Well, the shoes can collect **data**, like how many steps you take, which can be viewed from another internet-connected device like a **smartphone**. All the metric collected by the shoes could be analysed to tell you how many calories you've burned, give you personalised fitness advice and much more.

But the Internet of Things isn't limited to consumer products. There are city recycling bins that can send **alerts** when they need to be emptied, **sensors** on bridges that search for stress or damage to their structure and many more examples, extending to healthcare, manufacturing and agriculture among others.

Unfortunately, there are also new **security** concerns. For example, if you have internet-connected locks, a **hacker** might be able to unlock your front door remotely. And there's the issue of **privacy**. All those devices are collecting large amounts of data that can capture your actions and location throughout the day. Often we don't exactly know what is being collected or how this **information** is being used.

The Internet of Things is going to grow exponentially over the next few years bringing with it new benefits and challenges.

CD 2 – tracks 17 . 18 – page 131

After his best friend is murdered in a **robbery**, and the killer escapes, multimillionaire Gideon Reeves 'buys' the troubled 13th District **police** station and makes it a private police force: better, **faster** and smarter than anything seen before. With cutting-edge **technology**, Gideon challenges the city's police force to rethink the way they fight **crime**. With the help of a tech expert, Ada Hamilton, and officer Theresa Murphy he embarks on a mission to turn the 13th District into a dedicated crime-fighting **force** of the 21st century.

CD 2 – track 19 – page 133

Pronunciation Training

CD 2 – track 20 – page 133

Pronunciation Training

CD 2 – tracks 21 . 22 – page 140

Portugal to house new Google hub

Portugal's prime minister has announced that US-based multinational Google is to set up a new service centre and **technology** hub for Europe, the Middle East and Africa.

In Davos, Switzerland, António Costa, Portugal's Prime Minister, said the decision by the U.S. technology company would mean the creation of 500 tech jobs for **highly-skilled** Portuguese workers. *"Google will be opening the offices in Lisbon this year, hiring up to 500 of Portugal's best-talent **engineers**,"* Costa said. *"We have invested strongly in education, we are highly language-proficient and have a large pool of skilled engineers,"* Costa said in slightly broken English, adding, with a smile, that he was an **exception** to the rule. A Google spokesperson would not say how much the company planned to **invest** in the Lisbon centre. The centre will open in the town of Oeiras on the outskirts of Lisbon, where **various** technology companies have their local offices. The economy ministry said that the talks about the new hub had begun during the **annual** Web Summit in November, hosted by Lisbon for the second year in a row. The Web Summit has **grown** into one of the world's largest technology conferences.

Portugal pulled off a coup by **bringing** the Web Summit to Lisbon in 2016 with the government pinning its hopes on the event to boost funding and other support for technology firms in an **economy** that is still recovering from a 2011-14 economic and debt crisis.

WORKBOOK

CD 3 – track 1 – page 159

Perfect (Ed Sheeran & Beyoncé)

I found a love for me
Darling just dive right in and follow **my** lead
Well I found a girl, beautiful and sweet
I never knew you were the someone waiting for me

Cause **we** were just kids when **we** fell in love
Not knowing what it was
I will not give you up this time
But darling just kiss me slow, **your** heart is all I own
And in **your** eyes you're holding **mine**

Baby I'm dancing in the dark, with you between **my** arms
Barefoot on the grass, listening to **our** favourite song
When **you** said you looked a mess, I whispered underneath **my** breath
But you heard it, darling **you** look perfect tonight

Well I found a man, stronger than anyone I know
He shares my dreams, I hope that someday I'll share a home
I found a love to carry more than just **my** secrets
To carry love, to carry children of **our** own

We are still kids, but we're so in love, fighting against all odds
I know we'll be alright this time
Darling just hold **my** hand, I'll be **your** girl, you'll be **my** man
And I see my future in **your** eyes

CD 3 – track 2 – page 161

If you're not the one (Daniel Bedingfield)

If you're not the one
then why **does** my soul **feel** glad today?
If you're not the one
then why **does** my hand **fit** yours this way?
If you are not mine then why **does** your heart **return** my call?
If you are not mine would I have the strength to stand at all?
I never **know** what the future **brings**,
But I know you are here with me now,
We'll make it through,
And I **hope** you are the one I **share** my life with

(Chorus)

I **don't want** to run away but I can't take it, I **don't understand**,
If I'm not made for you
then why **does** my heart **tell** me that I am?
Is there any way that I can stay in your arms?
If I **don't need** you then why am I crying on my bed?
If I don't need you then why **does** your name **resound** in my head?
If you're not for me then why does this distance maim my life?
If you're not for me then why **do** I **dream** of you as my wife?
I **don't know** why you're so far away,
But I know that this much is true,
We'll make it through,
And I **hope** you are the one I **share** my life with,
And I **wish** that you could be the one I die with,
And I'm praying you're the one I **build** my home with,
I **hope** I love you all my life

CD 3 – track 3 – page 167

Too good at goodbyes (Sam Smith)

You must think that I'm **stupid**
You must think that I'm a fool
You must think that I'm **new** to this
But I have seen this all before

I'm never gonna let you **close** to me
Even though you mean **the most** to me
'Cause every time I open up, it hurts
So I'm never gonna get too **close** to you
Even when I mean **the most** to you
In case you go and leave me in the dirt

And every time you hurt me, **the less** that I cry
And every time you leave me
The quicker these tears dry
And every time you walk out, **the less** I love you
Baby, we don't stand a chance, it's **sad** but it's **true**

I'm way too good at goodbyes
(I'm way too good at goodbyes)
I'm way too good at goodbyes
(I'm way too good at goodbyes)

I know you're thinkin' I'm **heartless**
I know you're thinkin' I'm **cold**
I'm just protectin' my innocence
I'm just protectin' my soul

CD 3 – track 4 – page 171

Somewhere only we know (Keane)

I **walked** across an empty land
I **knew** the pathway like the back of my hand
I **felt** the earth beneath my feet
Set by the river, and it **made** me complete

Oh simple thing, where **have** you **gone**?
I'm **getting** old and I need something to rely on
So tell me when you're gonna let me in
I'm **getting** tired and I need somewhere to begin

I **came** across a fallen tree
I **felt** the branches of it looking at me
Is this the place we used to love?
Is this the place that I've been dreaming of?

Oh simple thing, where **have** you **gone**?
I'm **getting** old and I need something to rely on
So tell me when you're gonna let me in
I'm **getting** tired and I need somewhere to begin

And if you have a minute, why **don't** we go
Talk about it somewhere only we **know** ?
This could be the end of everything
So why **don't** we go
Somewhere only we know?

CD 3 – track 5 – page 175

Lucky (Jason Mraz & Colbie Caillat)

Do you hear me,
I'm talking to you
Across **the** water across **the** deep blue ocean
Under **the** open sky, oh my, baby I'm trying

Boy I hear you in my dreams
I feel your whisper across **the** sea
I keep you with me in my heart
You make it easier when life gets hard

I'm lucky I'm in love with my best friend
Lucky to have been where I have been
Lucky to be coming home again
Ooh...

They don't know how long it takes
Waiting for **a** love like this
Every time we say goodbye
I wish we had one more kiss
I'll wait for you I promise you, I will

I'm lucky I'm in love with my best friend
Lucky to have been where I have been
Lucky to be coming home again
Lucky we're in love in every way
Lucky to have stayed where we have stayed
Lucky to be coming home someday

And so I'm sailing through **the** sea
To **an** island where we'll meet
You'll hear **the** music fill the air
I'll put **a** flower in your hair

Though **the** breezes through **the** trees
Move so pretty, you're all I see
As **the** world keeps spinning round
You hold me right here right now

In the name of love (Martin Garrix & Bebe Rexha)

If I **told** you this was only gonna hurt
If I **warned** you that the fire's gonna burn
Would you **walk** in?
Would you **let** me do it first?
Do it all in the name of love
Would you **let** me lead you even when you're blind?
In the darkness, in the middle of the night
In the silence, when there's no one by your side
Would you **call** in the name of love?

In the name of love, name of love
In the name of love, name of love

In the name of
In the name, name
In the name, name

If I told you we could bathe in all the lights
Would you **rise** up,
Come and **meet** me in the sky?
Would you **trust** me when you're jumping from the heights?
Would you **fall** in the name of love?

TEACHER'S GUIDE

FILES FOR SPECIFIC PURPOSES

CD 3 – tracks 7.8 – page 28

Sales Assistant: Good morning. Can I help you?
Customer: Yes, please. I need a computer.
Sales Assistant: Do you want a laptop or a desktop?
Customer: I think I prefer a desktop because they are cheaper.
Sales Assistant: Not always. There's 50% off laptops this week.
Customer: What is the advantage of laptops?
Sales Assistant: Their portability. You can take them anywhere.
Customer: It sounds good. But is the processor good?
Sales Assistant: Yes, Pentium is as good as Celeron. It runs at 2 gigahertz, which is really fast.
Customer: That's very important to me. How about the RAM?
Sales Assistant: It's 2 GB. Not as much as the desktop, but you can store your files on a hard drive.

Customer: And what is the hard drive capacity?

Sales Assistant: 500 GB.

Customer: That's good. And the operating system?

Sales Assistant: It's Windows 10 for both because it's the latest.

Customer: Are there any other features?

Sales Assistant: Yes, it has Bluetooth, wi-fi, touchscreen display and touchpad. You won't need a mouse.

Customer: What brand is it?

Sales Assistant: It's a Lenovo.

Customer: I don't know the brand but the laptop looks very light and stylish. How much is it?

Sales Assistant: They both cost 250 euros. So you can take a laptop for the price of a desktop.

Customer: How long is the warranty?

Sales Assistant: Two years.

Customer: I will take it. Thank you for your advice. You were really helpful.

CD 3 – tracks 9 . 10 – page 34

Car Salesperson: Good morning, sir. What can I do for you?

Customer: Good morning. I want to buy my first car.

Car Salesperson: What kind of car are you looking for? Let's take a walk around our showroom. We have some great deals this weekend. Maybe you can find the one that you are looking for.

Customer: I'd like to check out your SUVs.

Car Salesperson: Not a problem sir. We have a nice brand over here, the new Honda Pilot SUV. It has some automation features.

Customer: What do you mean by that? I don't need to drive it?

Car Salesperson: Not necessarily. There are some which have lane keeping system or autopilot, others have night vision devices.

Customer: That's interesting. Does it mean that some cars don't need the driver at all?

Car Salesperson: The most advanced models have full automation, which means that the car can perform all driving functions by itself.

Customer: That's not exactly what I need. You know it's my first car and I want to enjoy the pleasures of driving.

Car Salesperson: I see. You want a car with a minimum driving assistance. Maybe just front and rear collision warning, right?

Customer: That's right. I prefer an economical, comfortable car rather than a fully automated one.

Car Salesperson: Well, I must tell you that the fatigue warning device can avoid many car crashes, especially if you drive for long hours.

Customer: I agree with you. Do you have a car like that to show me?

Car Salesperson: Yes, sir. I can show you this one here. It's not brand new. It's a second-hand car but in very good condition and it meets all your requirements in terms of performance and automation technology.

Customer: That's great! I like the brand and the colour. It's just perfect. Thank you very much for your help.

Car Salesperson: Do you wish to test-drive it?

Customer: Yes, please. After that we can talk about the conditions of payment.

Car Salesperson: Certainly, sir.

CD 3 – tracks 11 . 12 – page 40

Waiter: Good evening sir! Let me show you to your table!

Here's the menu and the wine list. Would you like an aperitif?

Guest: Yes, I'd like a martini, please!

Waiter: Good choice, sir! Are you ready to order? The soup of the day is French onion soup.

Guest: *Hmm...* but I prefer the tomato salad.

Waiter: How would you like your tomato salad, with French dressing or mayonnaise?

Guest: With French dressing, please! What do you recommend as a main course?

Waiter: May I suggest our roast chicken and potatoes. It's basted with salted French butter and served with soft pieces of chanterelles and porcini.

Guest: Sounds delicious!

Waiter: Anything to drink sir? Maybe a glass of French red wine, which goes well with meat... We have a very good soft Burgundian Pinot Noir...

Guest: Certainly, I'd love that.

Waiter: Here you are, sir. Enjoy your meal!

.....

Waiter: Is everything all right with your meal?

Guest: Yes, thanks. It's very good!

Waiter: Would you like to see the dessert menu?

Guest: Yes, please.

.....

Waiter: Here you are, sir, the dessert menu.

Guest: Right, I'll have the chocolate cake and an espresso, please.

Waiter: Chocolate cake and one espresso... right away!

.....

Guest: Could I have the bill, please?

.....

Waiter: Here you are, sir. Have a nice evening!

CD 3 – tracks 13 . 14 – page 43

Pastry chef: Well... good morning everyone. Today I will demonstrate how to bake a delicious raspberry sponge cake. This is a very simple recipe my mother used to make when I was little. So, take your notebooks and let's get started.

- **Heat** the oven to 160 °C.
- **Grease** two 20 cm cake tins and line with baking parchment.
- In a mixing bowl, **beat** the butter and sugar together until pale and fluffy. Gradually add the eggs.
- Add the vanilla extract, **mix** in half the flour, then **fold** in the rest.
- Divide the mixture between the cake tins and **bake** for 20-25 minutes.
- **Leave** to cool in the tins for 10 minutes, and then turn it out onto a wire rack to cool completely.
- Make the filling: **whisk** the cream to soft peaks, add the rosewater and then fold in the jam.
- Place one of the sponges on a serving plate and **top** with the cream mixture. **Scatter** with the raspberries, then top with the other sponge.
- **Drizzle** icing over the cake, **arrange** the remaining raspberries on top and dust with icing sugar.

CD 3 – tracks 15 . 16 – page 46

Travel Agent: Good morning! Can I help you?

Customer: I would like to book a cruise, please.

Travel Agent: How long do you want to go for and when?

Customer: Well, I was thinking about a fortnight or three weeks in July. I'm looking for a package deal.

Travel Agent: Ok, I see. We have some excellent choices for you! There is the MSC Opera transatlantic trip from Genoa, Italy, to Havana, Cuba. It's an all-inclusive package.

Customer: That sounds amazing! Could you give me the details of that package?

Travel Agent: Absolutely, sir. In that package, you will get unlimited mealtime drinks, three shore excursions and a 30% discount on all laundry services. There will also be some extra onboard credits, and we can organise some group sailings, if you wish.

Customer: That's great! Is this package still valid in July?

Travel Agent: Yes, it's still valid in July! Are you, by any chance, interested in an interior cabin with no window, or do you prefer one with a window or balcony?

Customer: Quite frankly, I was thinking about a suite with an ocean view or balcony... it's my 25th wedding anniversary and I want to surprise my wife.

Travel Agent: Oh... congratulations, sir! What a wonderful surprise... that's very special indeed!

Customer: So, how much does that all come to?

Travel Agent: Well, let me just check how much the suite adds to the price. One moment, please... It'll be around 1144 euros per person.

Customer: Ok... sounds reasonable!

Travel Agent: Could I just have both your full names, please?

Customer: Sure... Mr Richard Bothams and Mrs Juliet Bothams.

Travel Agent: Thank you! I will inform you about all the details of the journey. First, I need to check if there are still vacancies onboard. I will make the reservations and get back to you as soon as possible. You don't need to pay right away.

EXTENSION ACTIVITIES

CD 3 – track 17 – page 63

Kill Em with Kindness (Selena Gomez)

The world can be a nasty place
You know it, I know it, yeah
We don't have to fall from **grace**
Put down the weapons you fight with
Kill 'em with kindness
Kill 'em with kindness
Kill 'em, kill 'em, kill 'em with kindness
Kill 'em with kindness
Kill 'em with kindness
Go ahead, go ahead, go ahead **now**
We're running out of time
Chasing our lies
Everyday a **small** piece of you dies
Always somebody
You're willing to fight, to be right
Your lies are bullets
Your mouth's a gun
And no war and anger
Was ever won
Put **out** the fire before igniting
Next time you're fighting
Kill 'em with kindness
Kill 'em with kindness
Kill 'em, kill 'em, kill 'em with kindness
Kill 'em with kindness
Kill 'em with kindness

Go ahead, go ahead, go ahead now
Go ahead, go ahead now
Go ahead

CD 3 – track 18 – page 63

Rolling in the deep (Adele)

There's a fire starting in my heart
Reaching a fever pitch and **it's** bringing me out the dark
Finally I can see you crystal clear
Go 'head and sell me **out** and I'll lay your ship bare

See how I leave with every piece of you
Don't underestimate **the things** that I will do
There's a fire starting in my heart
Reaching a fever pitch and it's bringing me out the dark

The **scars** of your love remind me of us
They keep me thinking that we almost had it all
The scars of your love they leave me breathless, I can't help feeling

We could have had it all

Rolling in the **deep**

You had my heart inside of your hand
And you played it to the beat

Baby I have no story to be told
But I've heard one on you and I'm gonna make your head **burn**
Think of me in the depths of your despair
Making a home down there 'cause mine sure won't be shared

CD 3 – track 19 – page 66

Stronger (What doesn't kill you) (Kelly Clarkson)

You know the bed **feels** warmer
Sleeping here alone
You know I dream in **colour**
And do the things I want

You think you got the best of me
Think you had the **last** laugh
Bet you think that everything good is gone
Think you left me broken down
Think that I'd come **running** back
Baby you don't know me, 'cause you're dead wrong

What doesn't kill you makes you **stronger**
Stand a little taller
Doesn't mean I'm lonely when I'm alone
What doesn't kill you makes a fighter
Footsteps even **lighter**
Doesn't mean I'm over 'cause you're gone

What doesn't kill you makes you stronger, stronger
Just me, myself and I
What doesn't kill you makes you stronger
Stand a little taller
Doesn't mean I'm lonely when I'm alone

CD 3 – track 20 – page 66

Treat you better (Shawn Mendes)

I won't lie to you
I know he's just not right for you
And you can tell me if I'm off
But I see it on your **face**
When you say that he's the one that you want
And you're spending all your time
In this **wrong** situation
And anytime you want it to stop

I know I can treat you better
Than he can
And any girl like you **deserves** a gentleman
Tell me why are we wasting time
On all your wasted cryin'
When you should be with me **instead**
I know I can treat you better
Better than he can

I'll **stop** time for you
The second you say you'd like me to
I just wanna give you the loving that you're **missing**
Baby, just to wake up with you
Would be everything I need and this could be so different
Tell me what you **want** to do
'Cause I know I can treat you better
Than he can
And any girl like you **deserves** a gentleman
Tell me why are we wasting time
On all your wasted cryin'

When you should be with me **instead**
I know I can treat you better
Better than he can

CD 3 – track 21 – page 68

Woman: When I was **sixteen** I was completely in love with this guy. He played **guitar** and I ran away from home and went to San Francisco so I could go live with him. Yeah, he convinced me I had a beautiful **voice** and I dreamed of becoming a **singer**.

Man: I love San Francisco.

Woman: Yeah, he was my first love, probably the only one.

Man: He must have been a great guy.

Woman: I don't know, I don't know. He may have been. It didn't last long enough for me to find out. The truth is... I can't remember what he looked like.

Man: Really? Then that's too bad.

Woman: My **dad**... showed up, actually.

Man: You were in trouble.

Woman: Yeah, he came in. Yeah, in trouble. He yanked me back to Chicago. And he was sick, and he had these... these dreams of me becoming a **doctor**, you know?

And eventually they became my dreams, too. He was right. You know, I feel good helping people... then he died.

TESTS

CD 3 – tracks 22 . 23 – pages 79 / 83

Receptionist: Good afternoon. Welcome to the Grand Woodward Hotel. How may I help you?

Guest: Good afternoon. I'd like to check in. I have a reservation for a single room.

Receptionist: May I have your name, please?

Guest: Matt Davidson.

Receptionist: Could you spell your last name, please?

Guest: D-A-V-I-D-S-O-N.

Receptionist: Let me check... We have your reservation for two nights starting today. May I see your identification?

Guest: Here's my passport.

Receptionist: Thank you. Could you fill in this form, please?

Guest: Sure.

Receptionist: Thank you. Your room number is 504. Here is the key to your room.

Guest: Right. Thanks.

Receptionist: Breakfast will be served in the cafeteria from 7 a.m. to 10 a.m. If you have any requests, please call the front desk.

Guest: Thanks. Can I use the Internet in my room?

Receptionist: Yes, we have a wi-fi connection in each room. Here's the password.

Guest: Thanks.

Receptionist: Enjoy your stay.

CD 3 – tracks 24 . 25 – pages 79 / 83

Interviewer: Good morning David. Welcome to the *Oasis Hotel* in Miami. I need to ask you some questions to fill in this application form.

David: Oh... certainly.

Interviewer: So your name is David Garcia. Where do you come from, David?

David: I'm Spanish. But I moved here five years ago.

Interviewer: You speak good English. Do you speak any other languages?

David: Yes, I speak Spanish, of course, and Portuguese.

Interviewer: Very well. Let's talk about your qualifications. Do you have a university degree?

David: Yes, I have a degree in Tourism.

Interviewer: Ok. Do you have previous experience in hotel management?

David: Yes! I've worked in several hotels in Spain and in Portugal. You can confirm that in my CV.

Interviewer: Yes, I've read it. Why do you think you are the right person for this job?

David: Well, I have good language skills. I have the right experience. I have good communication skills. I'm always punctual and no guest has ever complained.

Interviewer: Are there any other skills or personal interests you want to mention?

David: Well, I have good computer skills... I'm proficient with spreadsheets, word processing and Excel and I like it a lot. I also like music. I play several instruments and I have a band.

Interviewer: Great! You're also an entertainer! Well, can you give me your mobile phone number in case we want to contact you?

David: Sure. It's 07753 610 128.

Interviewer: OK! Thank you very much for this interview. You will be hearing from us soon. Goodbye!

David: Thank you for this opportunity and goodbye.

CD 3 – tracks 26 . 27 – pages 87 / 91

Hi! My name is Emily and I am 21 years old. I went to Lund University in Sweden for a year as part of my degree. I found the exchange programme challenging personally and academically. Living on my own in a foreign country, immersed in a different culture, taught me how to be an adult. At the same time, I had to do research, study and do all the papers in a foreign language. I didn't have my family and my friends there for support and I learned to take care of myself. I also learned how to talk to people from all over the world. I had to be financially careful and one of the most valuable lessons from my time away was that it is really important to seize any opportunities that come your way. I grew more confident that year.

CD 3 – tracks 28 . 29 – pages 87 / 91

Hello! My name is Helen. I spent four months in Germany last year. I was studying jewelry and arts. The Erasmus program was fantastic. I studied with lots of other students from different European countries. Some of them became my friends. It had an incredible effect on my future career. When I went away I was in my third year of university and needed a break from London. Going abroad helped me develop ideas in different ways and perhaps I and other Erasmus students had a fuller education because of it. One of the best things in my Erasmus experience was doing a residency with Marianne Schliwinski, an artist and gallery owner in Munich. We have kept in touch ever since.

During that period I maintained close ties with my family and friends in my country. After the Erasmus programme I got a job as a professor in Berlin.

CD 3 – tracks 30 . 31 – pages 95 / 99

What do an umbrella, a shark, a house plant, the brake pads in a mining truck and a smoke detector have in common? They can all be connected online, and in fact they are.

By 2022 it is expected that more than a trillion sensors will be connected to the internet. If all things are connected, it will shift the way we do business and use resources and will eventually yield the massive amounts of data. But who owns this data and how safely will it be kept?

By 2020 around 22% of the world's cars will be connected to the internet. That's 290 million vehicles. And by 2024 more than 50% of home internet traffic will be used by appliances and devices rather than just for communication and entertainment.

In this scenario, what if your car or your home got hacked? The internet of Things raises huge questions on privacy and security that have to be addressed by governments, corporations and consumers. But if we get

things right, it will also bring unprecedented efficiency to processes that will no longer be offline.

Imagine cows in a farm being monitored to obtain health reports that will help farmers feed them better. Or tracking the behavior of complex industrial machinery, preventing accidents and shortening downtime for maintenance. All kinds of devices will be able to gather and share any type of information from their environment, seamlessly organizing themselves to make our lives smarter and safer.

A world where all things are connected is going to bring endless opportunities for most human activities. But it will depend on us whether we are going to take advantage of it, or let it take advantage of us.

Will data be collected, shared and stored to improve our lives? Or will it be used to control us?

CD 3 – tracks 32 . 33 – pages 95 / 99

What would it take to support human life on this planet? Well, it's a tough question to answer...

According to NASA living on Mars could happen with the existence of three elements: water, nitrogen and oxygen.

Water is the bare minimum requirement to sustain human life. The Mars orbit has confirmed vast deposits of it in the north and south poles, as well as below the surface.

Then there is food... and nitrogen is key in growing it. There isn't enough nitrate in Mars soil to nurture life, but some scientists say greenhouses could be built to grow plants.

And Mars is so cold that it produces carbon dioxide snow. This frozen carbon dioxide, or dry ice, could be converted into oxygen by solidifying it and releasing it back into the atmosphere. But here is a problem. Powerful solar winds strip away most of the planet's atmosphere, sending it off into space.

So, making the red planet a place where humans can live is even tougher than previously thought. But these facts haven't stopped a Dutch team from creating Mars 1, a mission to Mars that will send four astronauts on a one-way trip to live and establish the first human colony by 2026.