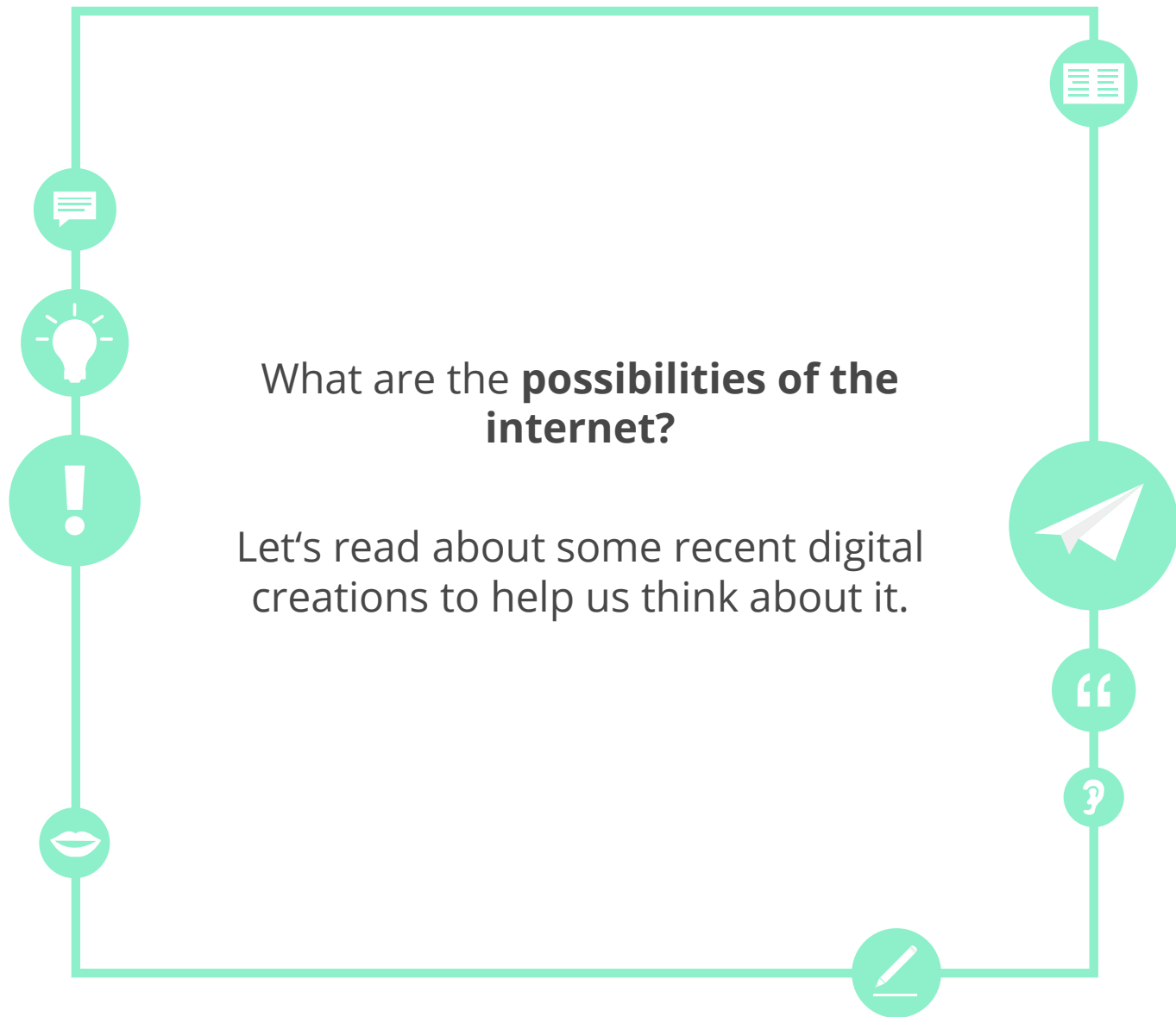




Goals

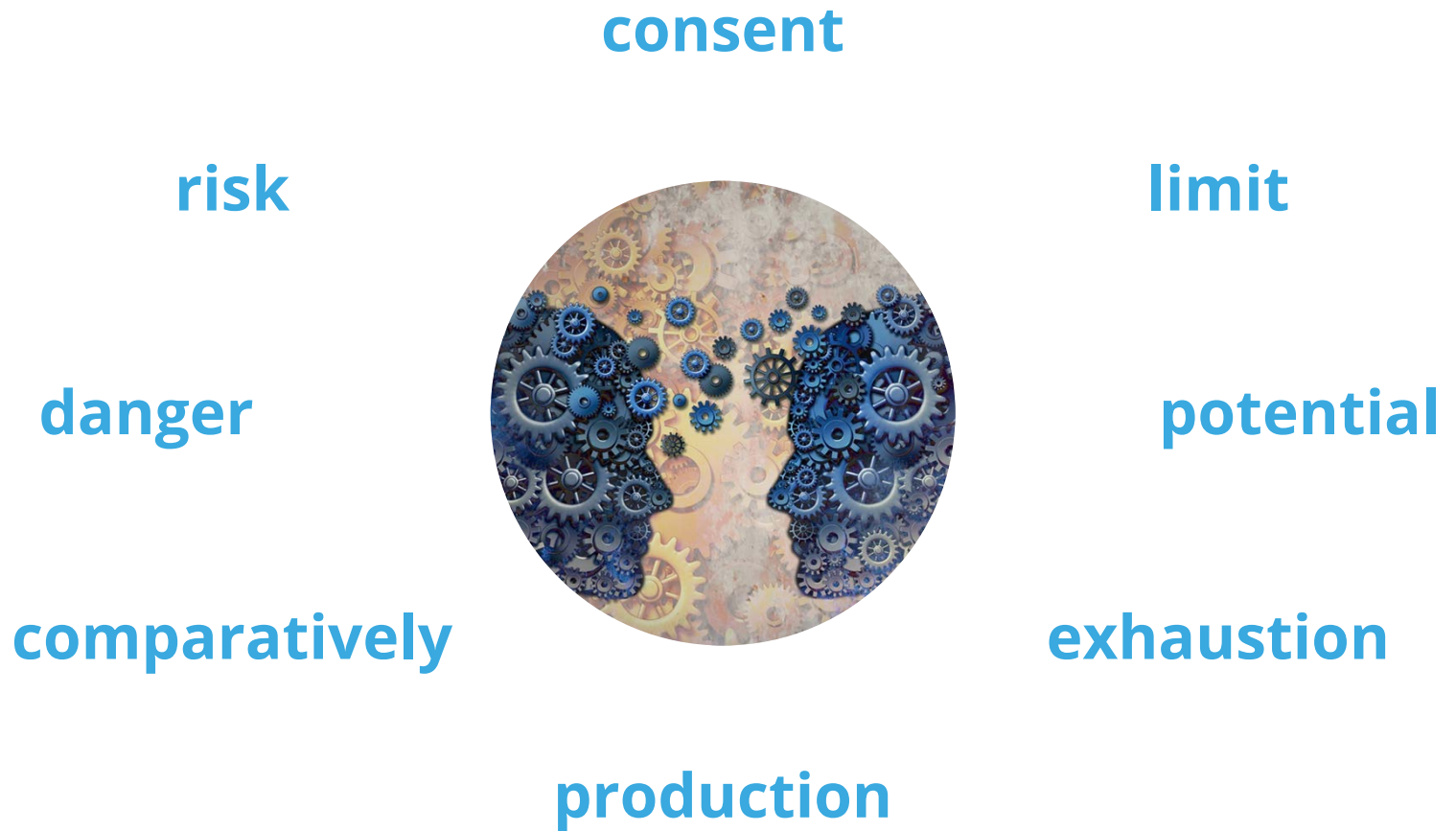
- Can read and understand the main details of a text about the internet.
- Can discuss my opinion on the internet and explain my own ideas for its possibilities.







The future of the internet





The future of the internet



I gave my **consent** for Josie to go to the school camp.

He was willing to take the **risk**.



There is a **danger** of children becoming addicted to the internet.

It is important to **limit** the amount of time children spend in front of the television screen.





The future of the internet



The internet poses a **comparatively** small risk to our lives considering the risk of climate change.

The **production** of digital devices is causing pollution problems in many developing countries.



The **exhaustion** of rare minerals due to digital developments is nearer than we think.

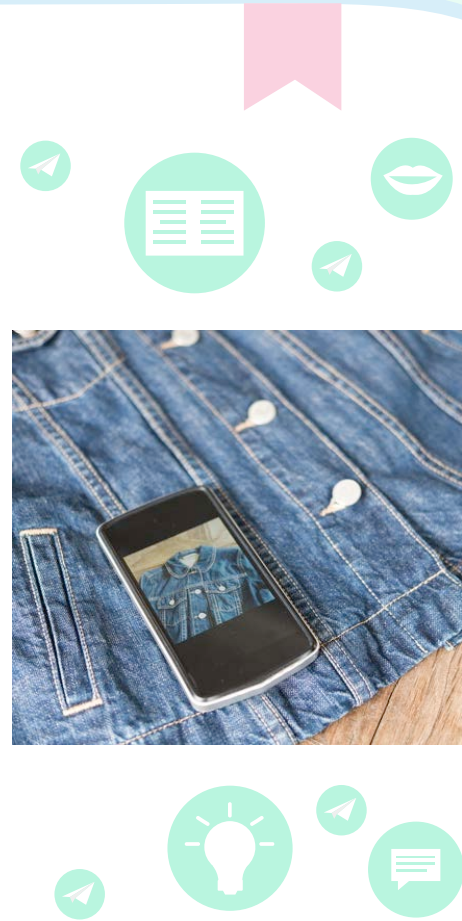
Technological developments have great **potential** to improve our way of life.





The internet and its possibilities

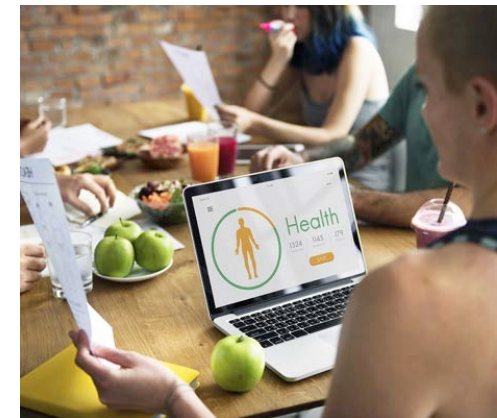
The internet has without a doubt changed the way the world works in **profound** ways, but how will it change our way of life in the future? We now have e-mail, e-bikes, e-post and many other electronic **innovations**. Will most things **come to** be called an e-thing in the future? Can you imagine e-clothes, e-plasters, e-skis or e-underwear? Let's take a look at how the internet could lead to changes in how we dress, decorate our homes and travel to work. But first, what is the **internet of things**?





The internet and its possibilities

The **internet of things** describes all the many digital devices that are connected to the internet. Digital devices collect very accurate and **complex** data about the world. Health trackers, for example, monitor heartrate, the amount of calories gained or lost, and the amount and type of exercise one has done in a day or throughout the week. They are an example of a digital **device** that can produce a lot of data about a person's health **status** without the need of a trained doctor. Digital devices therefore have the **potential** to increase self-understanding, which may help individuals with health problems make small but very effective changes to improve their health and well-being. But what digital devices will we likely see in the future?



Health and wellness with a health monitor.



The internet and its possibilities

New parents often have a lot on their hands, and making sure their baby is sleeping well through the night is important to their baby's health and well-being, as well as their own. New on the market is a small digital device that **monitors** a baby's sleep and breathing patterns, **physical** movements and even their changing temperature while they sleep. Gone are the days when parents would hear a baby cry through a **crackly** monitor. All of this **complex** information is now recorded by online software that can be read off a personal computer screen and then later **analysed**. Data is the new knowledge and more and more of what we do in our daily lives is recorded as digital data.



The internet and its possibilities

But digital devices are not just useful for collecting data about our lives – they also help us to sensitively **adapt** our environment to make it more **pleasant**. Want to warm your house up before you get home but don't want to leave the heating on all day? With a heating or cooling system connected to the internet you can do just that. Remote control has never been more possible than it is now. Some people argue that the internet is becoming an **invisible force** – like electricity – that we will soon be unable to live without.



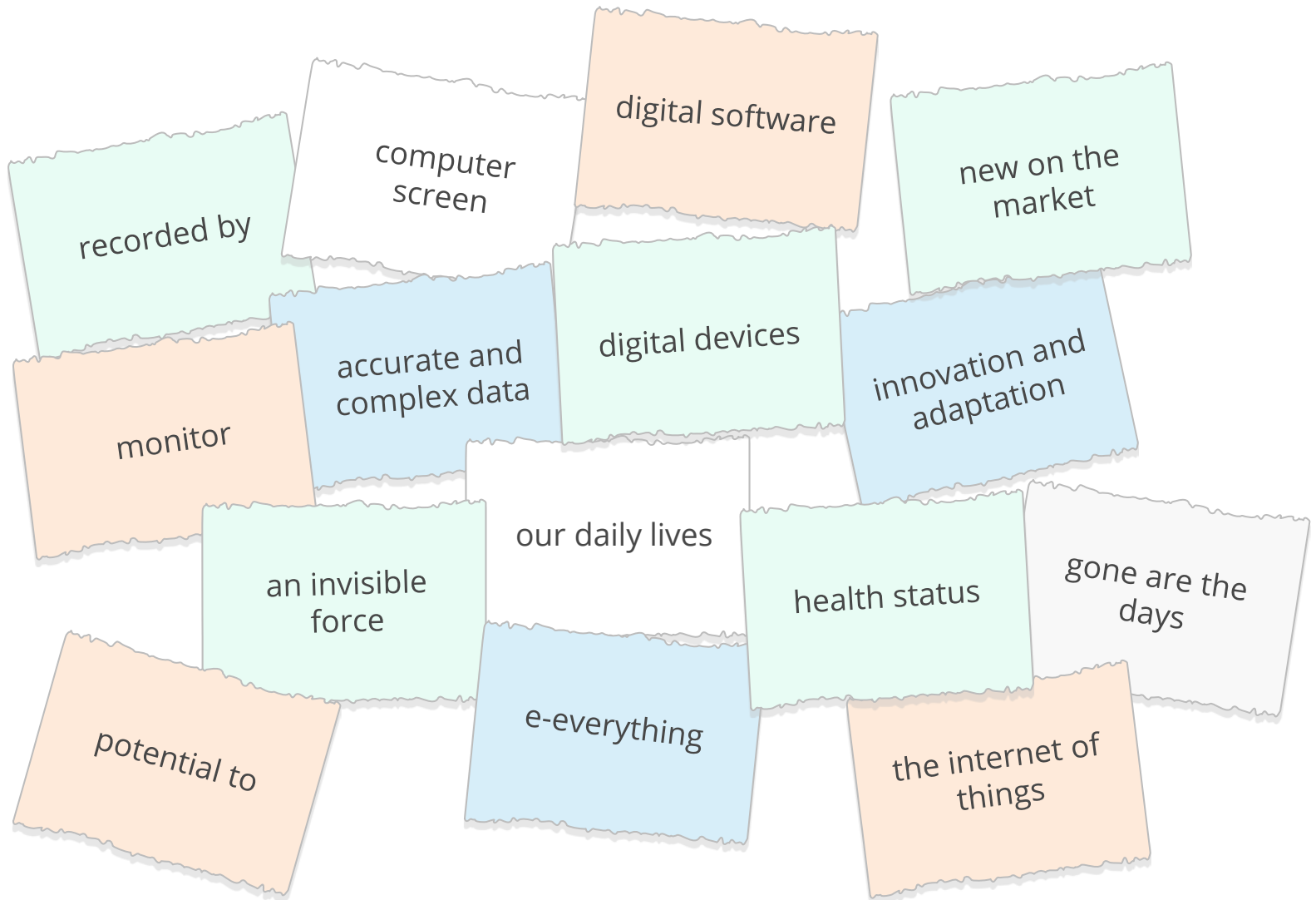


The internet and its possibilities

Without even thinking about it, many parts of our daily life will be **controlled** and **monitored** through online systems. If the internet of things has given us more control over our lives, does it mean we are also losing the **ability** to naturally **adapt** to our environment? In the next section, we will take a look at what some of the critics have to say.



Using any of these words or phrases, write a short summary about some of the new digital devices on the market





Digital devices

The article argues that one of the advantages of digital devices is that they are able to collect a lot of complex and accurate data. Do you agree? What devices do you use to collect personal data about your own daily life?

//

By using software technologies available through the internet, **digital devices** can provide very **accurate** and complex **data** about the world all through small and sometimes hidden digital devices.

//

//

Data is the new knowledge and more and more of what we do in our daily lives is recorded as digital data.

//





Describing big changes

Describe what you think the biggest changes have been in the last 200 years. Then describe what you think they will be in the area of digital technologies in the future.

Use these words in your description:

drastic, radical, profound, considerable, momentous, dramatic, significant, critical, enormous



Industrial pollution has had a **drastic** effect on the ozone layer.

The use of renewable energy represents a **radical** change.

The new leader has had a **profound** effect on the party.

The introduction of smoking laws has had a **considerable** impact on youth smoking.

The signing of the treaty was a **momentous** event.

There have been **dramatic** changes to the environment.

The making of the documentary was a **significant** event.

The discovery of the cure represented a **critical** development in science.

The new surgery represented an **enormous** breakthrough.



What do you think?

**What do you think of the statement below?
Discuss your point of view with your teacher.**

//

Some people argue that the internet is becoming an invisible force – like electricity – that we will soon be unable to live without. Without even thinking about it, many aspects of our daily life will be controlled and monitored through online systems.

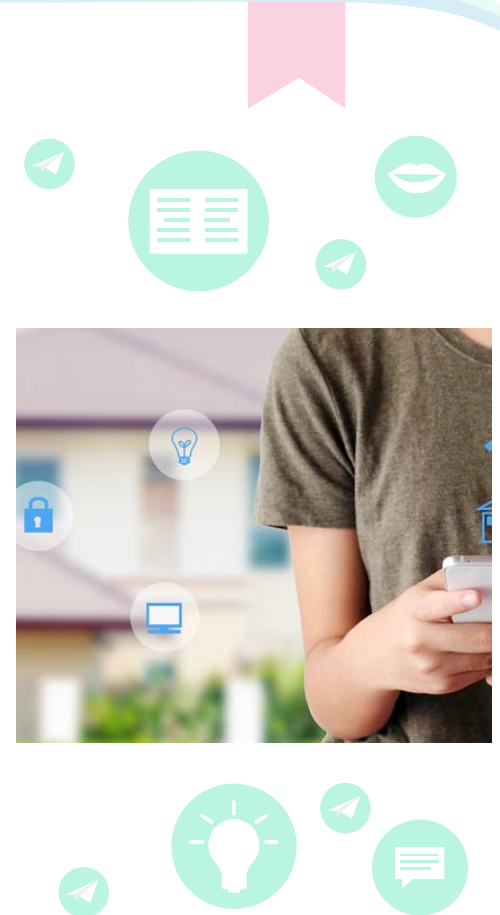
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The internet and its possibilities

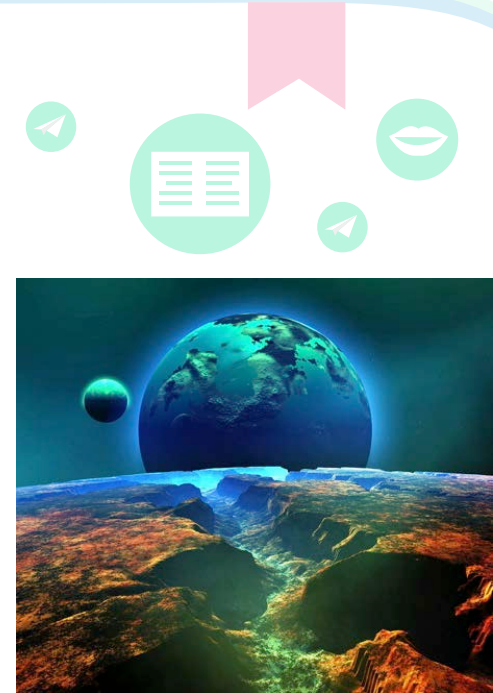
One of the most **radical** possibilities **brought about** by digital technologies is the **creation** of intelligent machines that can make their own decisions and also make decisions for humans. Rather than having to organise for the heater to warm up the house before you get home, an **intelligent** system can **predict** when you will arrive home based on your previous movements and therefore predict when it needs to **preheat** the house. It can also **monitor** the weather and track your mobile phone to know exactly how far away from the house you actually are. Does giving this decision-making power to machines **represent a drastic** change?





The internet and its possibilities

For some social **observers**, this type of change is just another example of how technology can be used to make our lives easier. If a computer can make better decisions about our daily lives than we can, what is the risk? Computers in their current form save people time and energy by **carrying out** processes much quicker than humans. But **critics** argue that one of the **potential dangers** is that humans will forget how to do things and, when the internet isn't **functioning** properly, this could lead to big problems.



Which planet is ours?



The internet and its possibilities

Will humans come to live in a very **efficient bubble** in which the **realities** of environmental change, for example, are **blocked out**? **Equally**, if our sleeping patterns, calorie **intake** and daily movements are recorded, does this **pose a risk** to our privacy if computer hackers are able to gain access to all of our most private information?



The internet and its possibilities

Another worry is that the ordinary person does not usually have the skills or training to understand data that computer systems collect about them, which may lead to an increase in their **anxiety**. Can a person sometimes just have too much information?

Consider the possibility that every movement in a kitchen is **tracked** by a digital device that monitors the type of food in the fridge, the type of food that goes to waste, and the type of food that is eaten quickest. With quick **mathematical calculations**, this kind of system could give people an **accurate** and **highly complex** account of their daily food **habits**, which might be an **overwhelming shock** for some people.

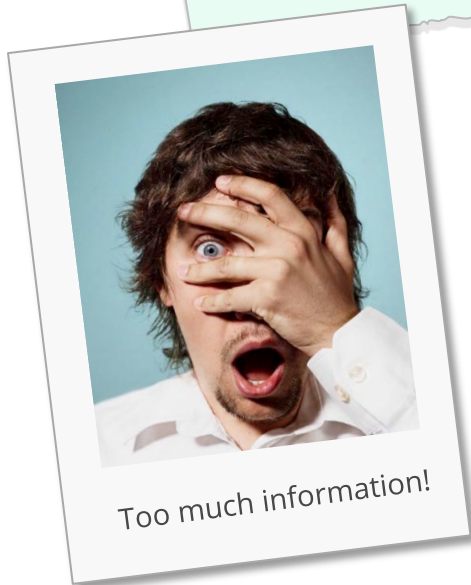
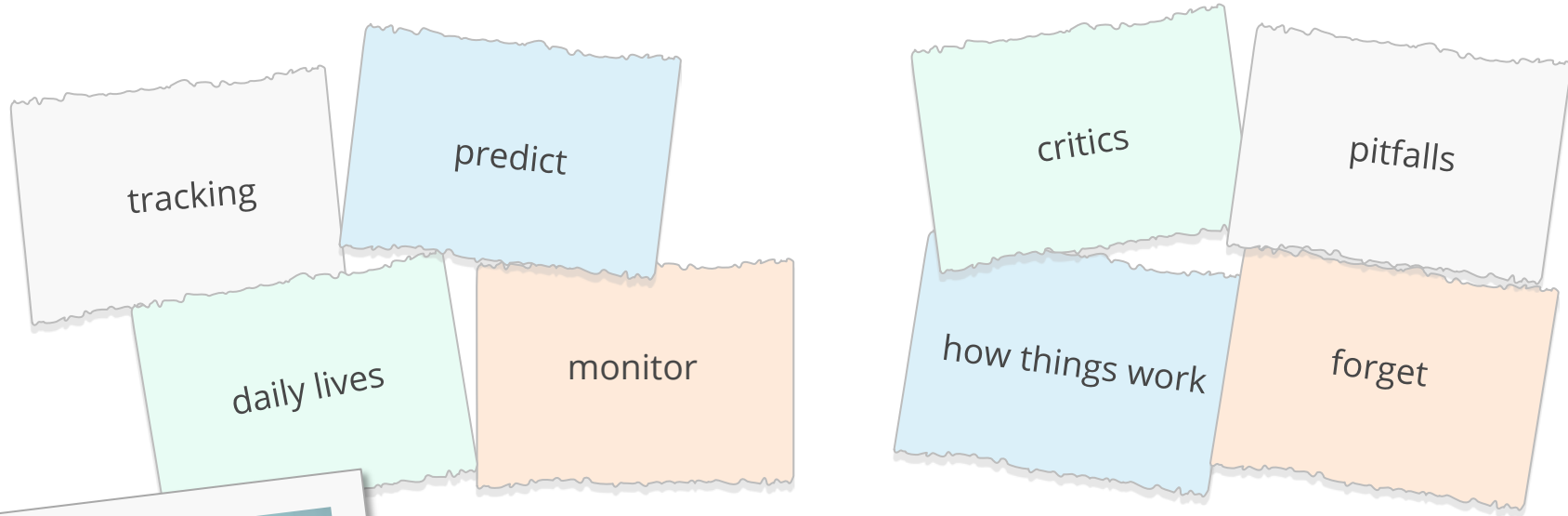


The internet and its possibilities

Software engineers argue that this worry is **unnecessary**. The solution lies in designing systems that are **sensitive** to how people respond to information. Ideally, these systems give people just enough information to allow them to make informed decisions, but not too much so as to **overwhelm** them. A well-designed software program prepares information in a way that most ordinary people could very easily understand and **analyse**. But what about data hacking and the worry about being controlled by **artificial intelligence**?



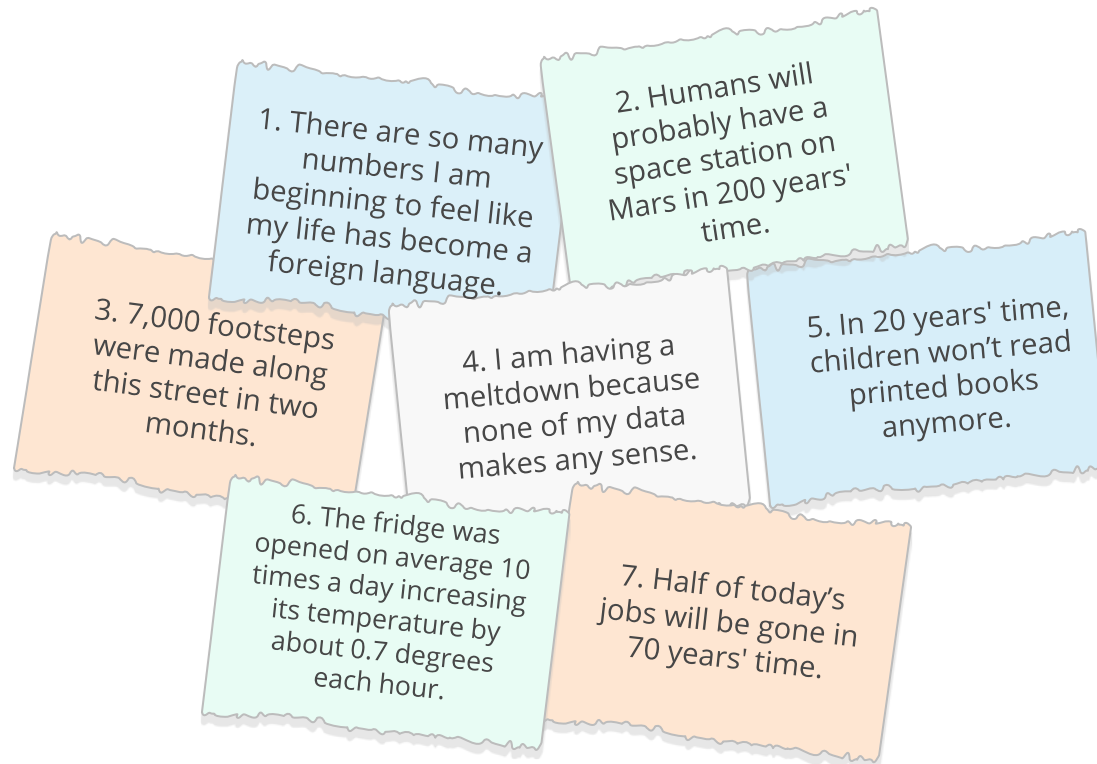
Find these words in the text and make a different sentence for each word group





Prediction, monitoring or overwhelmed?

Which of these flashcards is a prediction? Which is an example of data monitoring and which is an example of being overwhelmed?
What predictions do you agree with? Why?





Homework writing activity

Write a paragraph about a digital device that records your eating habits. The digital device monitors the fridge, all the cooking devices, the food and your movements.

What would this device say about your eating habits? Share your answers with your teacher.

The computer would collect a lot of meaningless data.

There would be a lot of data about burnt toast.

It would tell me to eat more vegetables.

It would tell me I drink too much coffee.

She buys the same food every week.

The fridge door is opened too often.



Digital devices and their disadvantages

The article you have read argues that there are some potential disadvantages to the internet of things. What disadvantages does it mention and what do you think about them? Write down your point of view on each of these disadvantages and then discuss your ideas with your teacher.

Giving decision-making power to machines is a potential worry.

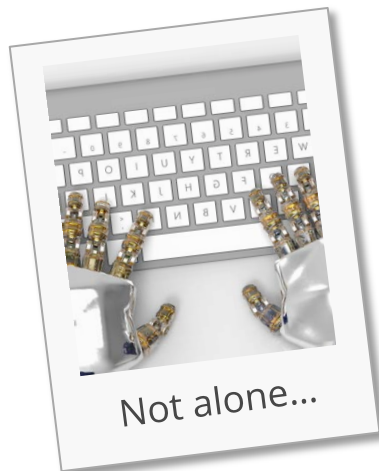
My concern is that...



A vertical sheet of lined paper with a hole-punch on the left side, intended for writing notes.



**Are you afraid that
your digital data
might be hacked?**



**What do you think
are the positive
points of digital
data?**

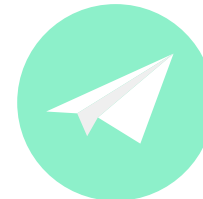


Reflect on the goals

Go back to the second slide of the lesson and check if you have achieved all the goals of the lesson.

yes

no

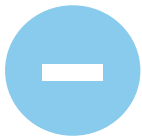
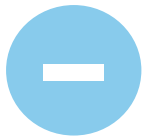




Reflect on this lesson

Think about everything you have seen in this lesson.
What were the most difficult activities or words? The easiest?



If you have time, go over
the most difficult slides again





Answer key

Exercise p. 23

Prediction: 2, 5, 7. Monitoring: 3, 6. Overwhelmed: 1, 4.

Personal information might be accessed by hackers.

their daily lives.

It may make people more anxious if they are overwhelmed by information about Ordinary people do not have the skills or training to interpret complex information. People will forget how to do simple things and they won't pay attention to what is happening in the world around them.

Potential answers:

Exercise p. 22

