



TALENTO TECH

English Code

Unit 1 - Session 2

Student Worksheet

2025

1. Vocabulary

1. Study the following table about emerging technologies, then do the exercises below.

Word	Spanish Translation	English Definition
Blockchain	Cadena de bloques	A decentralized digital ledger technology for secure data management.
Artificial Intelligence	Inteligencia Artificial	The simulation of human intelligence processes by machines.
Quantum Computing	Computación cuántica	Advanced computing using quantum-mechanical phenomena like superposition.
Nanotechnology	Nanotecnología	The manipulation of matter at an atomic or molecular scale.
Virtual Reality	Realidad virtual	A simulated experience that can be similar to or completely different from the real world.
Augmented Reality	Realidad aumentada	Technology that overlays digital information onto the real world.
Internet of Things	Internet de las cosas	The network of interconnected devices that communicate and exchange data.
Biotechnology	Biotecnología	The use of biological systems and organisms to develop useful products.
Autonomous Vehicles	Vehículos autónomos	Vehicles capable of navigating without human intervention.
Renewable Energy	Energía renovable	Energy from natural sources that are replenished over time.

2. Complete the paragraph with the correct words.

3 1 2 4
 blockchain - artificial intelligence - internet of things - autonomous vehicles

The future of technology looks promising with (1) _____, where devices communicate seamlessly, and (2) _____, which enhances decision-making processes in various industries. Additionally, (3) _____ is transforming data security, while (4) _____ offer a glimpse into safer and more efficient transportation.

3. Match the terms with their definitions.

Term	Answer	Definition
1. Nanotechnology		a. Technology that overlays digital information onto the real world.
2. Quantum Computing		b. Advanced computing using quantum-mechanical phenomena like superposition.
3. Augmented Reality		c. The manipulation of matter at an atomic or molecular scale.
4. Renewable Energy		d. Energy from natural sources that are replenished over time.

4. Guess the words using the clues in each sentence.

- I am a simulated experience, and I can take you to a world different from the real one.
Who am I? _____
- I help create products using organisms and biological systems.
Who am I? _____
- I am a technology where machines can learn and make decisions like humans.
Who am I? _____

2. Language explanation

PRESENT SIMPLE

The **present simple** tense is used to describe general facts, processes, routines, and functionalities of technology.

Spanish capsule: *El presente simple se utiliza para describir hechos generales, procesos, rutinas y funcionalidades.*

Simple present structure:

Affirmative

Structure: Subject + base verb (add -s for third-person singular).

- Example:** *The software **updates** automatically.*
(This sentence describes a routine action that happens regularly.)

Negative

Structure: Subject + do/does not (don't/doesn't) + base verb.

- **Example:** *The device **does not** connect to Wi-Fi without a password.*
(This sentence negates a regular action or characteristic of the device.)

Question

Structure: Do/Does + subject + base verb?

- **Example:** *Does the server **backup** data every night?*
(This question asks about a recurring action or fact about the server.) Here are some technical examples:

3. Language practice

1. Complete the paragraph with the correct form of the verbs in parentheses (use the present simple).

- Artificial Intelligence (AI) (**help**) helps us in many industries, but it (**not replace**) doesn't replace human creativity entirely.
- Virtual Reality (**provide**) provides immersive experiences, but it (**not allow**) doesn't allow physical interaction with real objects.
- Many devices in the Internet of Things (**connect**) connects to a central network, but they (**not work**) don't work without proper setup.

2. Match the questions with their correct answers.

Question	Answer
1. Does blockchain improve data security?	a. Yes, they assist users in virtual spaces.
2. Do autonomous vehicles drive themselves?	b. No, it does not allow that yet.
3. Does augmented reality help in training?	c. Yes, it enhances safety and transparency.

4. Reading strategy

Previewing is a reading strategy where readers glance over a text to get a general idea of its content before reading in detail. This helps activate prior knowledge, set a purpose for reading, and improve comprehension. It typically involves looking at titles, headings, subheadings, images, and any bolded or italicized words.

Spanish capsule: *La prelectura es una estrategia de lectura en la que los lectores echan un vistazo a un texto para obtener una idea general de su contenido antes de leerlo en detalle. Esto ayuda a activar conocimientos previos, establecer un propósito para la lectura y mejorar la comprensión. Generalmente, implica observar títulos, encabezados, subtítulos, imágenes y cualquier palabra en negrita o cursiva.*

5. Technical reading

The Future of Technology



Taken from: <http://surl.li/objxkr>

Technology is changing our world fast! Many new things are happening with technology, and they can help make our lives better. Let's look at six exciting ideas that are changing the future.

1. Blockchain

Blockchain is a way to keep information safe. It's like a digital notebook that everyone can see, but no one can change. This is useful for things like money and online shopping.

2. Artificial Intelligence (AI)

Artificial Intelligence is when machines or computers can think and learn like humans. They can help us with many things, like driving cars, helping doctors, and even talking to us.

3. Nanotechnology

Nanotechnology is about making things small. Scientists can now create tiny machines and materials that are smaller than a hair! This can help with medicine and new technologies.

4. Virtual Reality (VR)

Virtual Reality lets you go into a computer world. You can wear special glasses and feel like you are in a different place. VR is used for games, learning, and even traveling!

5. Internet of Things (IoT)

The Internet of Things is when things like your phone, refrigerator, and even your car are connected to the internet. They can talk to each other and help you do things faster and easier.

6. Renewable Energy

Renewable energy comes from sources that can never run out, like the sun and the wind. We use these energies to make electricity and help protect our planet.

New technologies are making the world better. They help us save energy, improve transportation, and make healthcare easier. For example, renewable energy reduces pollution, AI helps us learn, and Blockchain makes payments safer. Virtual Reality takes us to new places, and the Internet of Things connects our devices. As technology grows, life will become easier and more exciting. The future is full of great possibilities!

Read the article below and complete the following exercise. Use the reading strategy to help you with the exercise.

1. Answer the following statements True or False.

1. Blockchain is a way to keep information safe.
 - ☒ True
 - ☐ False
2. Artificial Intelligence can help with driving cars and talking to us.
 - ☒ True
 - ☐ False
3. Nanotechnology is about making things big and easy to see.
 - ☐ True
 - ☒ False
4. Virtual Reality allows you to experience a computer world by wearing special glasses.
 - ☒ True
 - ☐ False
5. The Internet of Things connects devices like phones and cars to the internet.
 - ☒ True
 - ☐ False
6. Renewable energy comes from sources that will never run out, like oil and coal.
 - ☐ True
 - ☒ False
7. New technologies will make our lives more difficult and less exciting.
 - ☐ True
 - ☒ False

2. Read the article again and then answer the following questions.

1. How does Blockchain help keep information safe, and why is it useful for things like money?
Because everyone can see but no one can change the information or value, it just change by market
2. In what ways can Artificial Intelligence be helpful in everyday life?
Make a part of the work and give the opportunity to give more time to practice and less to basic investigation
3. How can nanotechnology be used in medicine and new technologies?
Due to their small size can be use to new bio tech like human organs and also analisis of human body
4. What are some benefits of using Virtual Reality for learning or traveling?
You dont have to time by moving, just by viewing but isn't a complete experience
5. How does renewable energy help protect our planet and reduce pollution?
Because it doesn't generate instant waste and you can use these systems for a very long time