

## **EVIDENCIA No. 2.1**

**Nombre de la Unidad de Aprendizaje:** Comprensión de textos técnicos en inglés

**Nombre de la Evidencia:** 2.1 - Organizador visual sobre las tecnologías aplicadas en la educación, la salud y el comercio.

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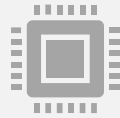
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# *What is applied Technology?*



To better understand this assignment, first we need to set the basic meaning of what the application of tech stands for.



It is simple, applied technology is a term that is used to refer to the different practical ways in which technology can be used in several environments to optimize processes of any type of business, industry, or daily activities.



Smartphones are the best example we could give to try explaining applied technology in general, since we can do pretty much anything with them, such as contacting someone, solving math problems with the integrated calculator, taking pictures and videos, etc.



There are also technological tools that are non-physical, such as computer programs which, in a simplified description, are algorithms a programmer creates to automate a specific task another person or user might need in the future.

## Technologies applied in education

**What is education technology for teaching and learning?**

Education technology is the application of new tools and ideas that help teachers teach and students learn.

**What are the functions of education technology?**

Education technology can **automate** processes, **improve** information access, **enable** sharing of knowledge and data, **duplicate** information between media forms, **curate** important knowledge, **communicate** ideas, **visualize** critical concepts, and more.

**What words are related to technology?**

To understand technology as a concept, it might be useful to look at some related words: technique, technical, technician, technological, technically, technocracy, and technophile

**What are learning technologies in the classroom?**

Learning technologies in the classroom are the tools, systems, and techniques that facilitate, enable, and promote learning.  
This can happen in the form of a learning management system or platform like the Khan Academy that helps students practice new skills, a community-based 'encyclopedia' like Wikipedia that allows people to curate and share knowledge, interactive whiteboards that allows students to learn through guided practice with the teacher. Learning technology can be simple (like a calculator) or advanced (like virtual reality).

**What are the different types of educational technology?**

- Learning Achievements/Badges
- Podcasting
- Gamification
- Video Games
- Interactive Whiteboards Learning
- Management Systems
- Asynchronous Learning Platforms
- Online collaboration spaces
- The Cloud
- Adaptive Learning Algorithms
- Voice Search
- Haptic Response
- Blockchain
- Augmented Reality
- Virtual Reality
- 5G
- AI-Generated Applications
- Deep Neural Networks
- Smart 'Bots'
- Spatial Computing
- Automation and Hyperautomation
- Internet Of Things
- Internet Of Behaviors
- Natural Language Processing
- Software
- Hardware
- Apps
- social media platforms like facebook, instagram, etc;
- virtual reality hardware
- applications, and games
- QR codes and scanners;
- And more

**Technologies applied in health**

Many innovative advances in health technology have been made over the centuries by those who have practiced medicine.

**Improvements in care and patient experiences**

Using technology to measure and capture data across the healthcare system gives healthcare organizations an overview of their performance. The technology also helps automate that measurement so organizations can continually review their results.

**Exchange of information in real time**

Traditionally, organizations have had to keep separate records for each group. But with new technology making it easier to standardize and securely store digital patient records, more organizations are integrating their data so that authorized people can access the records they need, when they need them.

**Flexibility for patients and doctors**

Patients are busy and finding time for appointments can be difficult. Telemedicine technology and patient portals provide more ways for people to communicate with healthcare professionals.

**Tecnología de inteligencia artificial en la salud**

AI-enabled tools can examine the large and complex data sets generated from electronic records, notes, images, sensors and devices to find trends that could improve patient care and help researchers develop better treatments for conditions. medical.

**Tecnología de telesalud**

**How do we apply health technology?**

**Diagnosis and treatment of diseases**

Using AI to process data, such as medical images, and develop disease models can help doctors make diagnoses more accurately.

**Diagnosis and treatment of diseases**

These innovations can help radiologists and other clinicians manage the incredibly large volume of images they need to review to identify high-value findings and bring abnormalities to their attention.

**Clinical research**

Smart devices, telehealth visits, and sensors are being used to support decentralized trials that make data collection more efficient and convenient for the people involved.

## Technologies applied in business

### What is business Technology?

Business technology is a method of organizing and coordinating technology management throughout an organization. It is a combination of management strategies, tools, organizational structures, and technological governance aimed to ensure that the use of technology across the enterprise is optimized with the overriding goal of meeting customer demands and expectations.

### What are the functions of education technology?

One of the greatest benefits of business technology is improved workplace communication. Connecting with colleagues has never been easier thanks to instant messaging apps, email, and conference software. Being able to receive real-time responses can assist in quickly resolving issues and increasing teamwork.

Another major benefit is security. Hackers' abilities have improved as technology has progressed. Since cyber-attacks are always a possibility, having security methods and software in place is critical to avoid becoming a victim. To offer continuous protection, security software should be updated and maintained on a regular basis.

### Examples of applied tech for business.

- Artificial Intelligence
- Big Data Analysis
- Automation of processes
- Networking
- IT Infrastructure
- Code based applications
- Internet of things
- Cyber Security
- Business Class Email

## personal conclusions

Omar Jahaziel Garcia Mamuth - 2129253

From the beginning, technology has always been a double-edged sword that can be used for bad things, but I think that it has always had more positive than negative ends. In this evidence, I realized that technology has benefited us in many work, school and health fields. It has benefited us a lot and more in this time of pandemic, it helped us at school, we were able to do the work from home thanks to technology, not only to work and study but also generated a lot of work for independent people who want to get ahead thanks to his own business and his effort and it is possible thanks to virtual commerce such as Amazon, free market, e-bay etc. What would we do without technology? I think that without technology we would have hundreds and thousands of paper files, files, folders, accountants would have to do thousands of data to do, operations to do by hand, store sheets in drawers with but thanks to that they use databases, programs to store the thousands of data and thanks to the program they can be accessed through a search, we have all the information at our fingertips easily and quickly, thanks to technology and I could not imagine my life without the facilities that technology offers us

Marco Sarmiento – 1498609

Technology has become an essential part of our lives and with this activity we saw several examples of the benefits it has on the fields of medicine, education and business. It also shows us that with its correct application, it has the potential to improve and optimize the way we do things, particularly it comes to my attention the way that it has improved the way we treat our sick and wounded. As well as in education like with the pandemic, we heavily relied on technology to keep classes going remotely which also applies to how many jobs adapted and moved to remote work.

- Mauricio Sánchez de la Barquera Vidal – 1770909:

Its no secret that every single day we hear or read of an invention, whether if it's a technological tool or an optimization of an already existing process, that's pretty much what technology is all about, to make our lives easier, and sadly, our government don't seem to care much about supporting education this way.

I personally believe that the only way Mexico can have a real change on its quality of life and reach its true potential to become a 1<sup>st</sup> world country, is by implementing technological assistance at all levels of education, then, by consequence we will notice a rising in technological applications on both health and businesses.

Anyway, i can assure that it is only a matter of time for us to witness how a lot of what we do on our day-to-day life and work, is replaced by some sort of tech appliance, if not everything, the question then will be if its ok for that day to come?

- Fatima Guadalupe Cuellar Sanchez – 1862468:

In this activity, he taught me that technology has helped a lot in advancing in our daily activities, since it makes our work easier, while at the same time we have been very dependent on it for the same reason. Personally, it has helped me a lot with my tasks by researching the required information, having support material and even answering my questions about some things, among many others. also how it has helped in the areas of work or even more areas and careers have been created to learn from technology and make a living.

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