

**UNIDAD EDUCATIVA PARTICULAR JAVIER
BACHILLERATO EN CIENCIAS**

MONOGRAPH

“Positive and negative impact of the use of the technology in teenagers”

STUDENT:

Natalie Zambrano

ADVISER: LCDO. MAURO MACKAY

THIRD OF BACCALAUREATE – COURSE A

2018 – 2019

Gratitude

I would like to start by giving thanks to the people who made this monograph work possible, especially to my teachers and my tutor who guided me and gave me the bases to do it in order to do a good job. I want to thank my school for instructing us in good teachings and good teachers who make these activities possible.

I also want to thank God for taking me on the right path and allow people to come in who have positively increased, finally I want to thank my parents for supporting me whenever I need them to be able to do a part of the monograph and for trusting me unconditionally.

Summary

This monograph talks about the use of technology, both in young people and in adults. He talks about the positive and negative aspects of this; we can see the negative aspects as when young people use technology to harm people, such as cyber bullying through social networks.

We can also observe the positive impact which is to carry out educational work, be informed of any topic, study, etc. Also technology is used for jobs, because thanks to this everything is faster, to perform a number of things either at school, at university, at work.

We can also observe how it has evolved in a surprising way, and since today technology is used on all sides of the world, now technology is paramount for anything. Technology is essential because they are usually used for any type of work, since it is a quick way to do different things; it is a form of rapid communication. We can also see the history of technology, how it started and how it has evolved every year.

Index

GRATITUDE.....	ii
SUMMARY.....	iii
INDEX.....	iv
INTRODUCTION.....	1
CHAPTER I.....	4
Technology.....	4
1. Definition.....	4
1.1 Functions and history of technology.....	6
CHAPTER II.....	10
Impact of technological devices.....	10
2.1 cell phome.....	11
2.2 Computer.....	12
2.3 Videos games.....	14
CHAPTER III.....	16
Educative technology.....	16
3.1 Applied technologies in education.....	18
3.1.1. Evolution of the use of technology in life and academics.....	19
CONCLUSIONS.....	22
RECOMMENDATIONS.....	23

Introduction

In the following monograph will be released about the use of technology in young people today. Today technology is globalized especially by adolescents, as it is a set of knowledge that is present in all areas of daily life, which allows applying knowledge to create and design things that help solve a problem or meet the needs of each individual. However, this can have both a positive and negative impact because it helps us a lot to be more proactive, to investigate and to inform us more.

The technology is very important for human beings because thanks to this you can perform various activities such as communication with people from other countries, the opportunities that it offers for the study, the investigations that can be done with subjects of their interests, and activate more the knowledge with information that you can look for.

As well as there are positive aspects within the technology such as conducting research for school work, college, and even be able to have a better organization of a company or business, so there are also the negatives, which can be dangerous as

cyberbullying, harassment, etc., since young people often take advantage of this medium to have a misuse of it and thus harm other people.

Within the positive aspects of technology there is an academic environment for the use of students both in schools and universities. Students have the opportunity to use this medium to carry out their activities and academic research in order to complete their work in the short term since the use of books usually delays these, also in the academic they usually use applications, programs and platforms to do the jobs that the teachers send and also to be able to look for necessary information that helps to carry out these activities.

The influence that technology has on young people is that at present we depend a lot on it from a premature age, because as we can notice children from 2 to 6 years now usually have always at hand a technological device for the use of their games, because of that teenagers also depend a lot on this and that's when they start to misuse it and do not take advantage of the opportunities it offers.

Through this monograph we will analyze the different points that technology has in adolescents and also its impact both school and family. In this monographic map surveys will be carried out to students of the Javier Educational Unit and through these

surveys it will be possible to make known the thinking of young people about technology and how they usually use it.

Chapter I

Technology

1. Definition

Technology is a set of knowledge that is present in the field of everyday life that has been a means that has advanced to the measure of time, which has been creating new methodologies for the use of this, allowing applying knowledge to create and design things that help solve problems or meet the needs of each individual. It is a very useful medium for which most of the daily activities of each person is carried out, like communication and day to day work; it is what has become essential for most human beings.

Thanks to this knowledge it is possible to carry out several methods for carrying out activities that can be taught every day in every aspect, as an example the use of the technology in academics, which is a method of very good use worldwide, for young people today is essential for their studies, since thanks to this factor they can improve their knowledge, have an ability to communicate with each other, get more information than they use day to day, ease of doing different works, including the ease of learning new languages. Nowadays learning has taken different changes thanks to technology. For teenagers today is it more easily to use this model for their studies and knowledge.

As there are many positives aspects, it also exists negatives aspects. It is a fact that technology is a good help for the good use of knowledge, although teenagers tend to use the incorrect form. Nowadays, what people call “internet”, is about finding all kinds of information, even if it is good or bad information. In this case, teenagers can use technology as an opportunity to perform bad acts of it. There are different examples of the negative aspect of technology like: Minors can access to inappropriate content, there can be different types of harassment in social networks, lies and deceptions. In young people, it is very common to use technology to do wrong things, such as cyber bullying, sexting, grooming, etc. This misuse can cause a waste of time, that is to say that there is a person who can use most of the time and this is an essential factor in his life he may prefer technology before many things and at that moment when family, school problems begin.

As Antonio Franco Crespo (2012) says the technology has had a breakthrough and thanks to this you can access more information and get more knowledge about different types of things. Thanks to technology, you can acquire, store, and disseminate information anywhere what you want.

Technology is also used for technical and scientific information, like the advance of medicine, more and more increasingly intervenes in different areas and has new tools that can be very helpful. Scientists and doctors are constantly looking for different types of treatments, devices and more. Thanks to technology, medicine has been able to develop for the good of people. If the technology continues to advance as it does, in the future there will be better things in every way.

The development of technology has been incredibly impressive, in recent years it is growing more and more surprisingly in many ways. Thanks to this, globalization will increase. Carlos Lerch (s.f)

1.1 Functions and history of technology

The functions of technology are basically based on transforming the human environment so that there is a better adaptation to the needs and desires of each individual allowing the creation and design of goods and services. Historically, technologies have been used for the satisfaction of human being, about food, protection, housing, clothing, etc. It is also commonly used to obtain aesthetic and corporeal pleasures.

Technological activity can also influence the economic and the social process, although its commercial nature means that it is oriented to the wishes of those interested essential needs. Although the technology can also be used for the protection and care of the environment.

The history of technology is the one it was started thanks to what have done through time like several inventions of tools and techniques in order to be practical. Technology is usually associated with modernity and even with the history of science, since new knowledge has been discovered to create new things, and thus also in a reciprocal way new scientific discoveries could be made thanks to technology and its development. The first technological revolution was made about 10.000 years ago, this began when humans were nomadic and became sedentary at time of the Neolithic.

As David Edgerton (2006) mentions “science and technology were advancing at a faster rate than the capacity of human society to assimilate it was commonplace”.

What does it means that technology is advancing more and more through time? It refers to the fact that now technology is becoming more advanced than what it was before, what before took more than a generation now can be done in just 15 years. This

actually makes more impressed by the fact that in previous years there was nothing and nowadays exists big things thanks to this device.

Each time Scientifics invent something more advanced in what technology is, before it was more difficult to be informed, communicate, even study; now there are several methods for the realization of these. The different technological innovations that have been happening over time produce a great change in the lives of people, thanks to technological progress. Advances, the future, or even innovations are often used to refer to synonyms of technology.

The history of technology shows that technology is older than science, although science is connected a lot with what technology is. According to Jose Ceggara Sanchez (2012) there was the ability to create complex instruments including structures without the need to ask science for help, for example as the monumental architecture of the old cathedrals and in the art of the Middle Ages.

Thanks to technology it has been possible to do a variety of things for people's wellness and use, as the subject of communication, thanks to technology has been improved. In the subject of communication, there is no longer any problem, because

they have been invented in such a way, that they can communicate with others, whether they are from their own country or outside it.

Chapter II

Impact of technological devices

When we talk about technological devices we refer to a very global topic, we can say that these have been the greatest inventions in the world on the part of the human being; these devices have been evolving more and more thanks to the continuous advancement of technology. These are everyday instruments that are characterized by improving the quality of life of each person and serve to provide comfort and safety.

The current society is very different from the one of a year ago due to the persevering evolution that is going through, having as characteristics the variation, diffusion and information that it offers us.

Technology has had a great evolution in what is communication, today there are several media such as cell phones, radio, satellites, internet, computers, and others. Worldwide, technology is a very feasible medium for any type of daily activity.

More and more technological devices are more practical for the use of the human being, his evolution is really amazing, since he has developed everything is faster, there is more simplicity to do things and its quality is better.

2.1 Cell phone

The cell phone is a very famous technological device nowadays. This device is called with the cellphone name due to the fact that the physical area it covers has a cell format. It is said that this device was created in 1973, its components are: circuit board, antenna, keyboard, LCD screen - liquid crystal display, battery, microphone, speaker.

More and more the cell phone is evolving in a surprising way, it is almost impossible to see people without some type of cell phone, nowadays the cell phone is inevitable in life, and each person has a sea for work or personal life. Thanks to the cell phone we can carry out several activities, such as communicating with people from other places, from other countries, sending documents, photos, files, communicating with other people, carrying out effective work, etc.

As mentioned by Gustavo Gabriel Poratti (2010) "reviewing the box of memories, it is good to take into account how much mobile phones have progressed" (P.66).

If you have to take into account how much progress you have made, each time you do it in a smaller and finer way with more capabilities, in earlier times the cell phones were in a box form, With a large antenna and a larger thickness, today's cell phones are smaller, thinner and more advanced. Currently, the use of the internet is a typical function in these devices, now you can send emails easily, communicate with

people more effectively, visit web pages, and find the information you want to know, see a number of unlimited videos, listen to music, use social networks, and investigate any topic.

As you can imagine cell phones in the future, you can access the role of small computers, with the same activities but with the cell phone according to Gustavo Gabriel Poratti (2010), you can also install software as a web browser.

2.2 Computer

The computer is equipment which is capable of processing from its programs. This is another factor that could also be indispensable for everyday life, it is a team that can process and accumulate data. It is also known as an information system, it is made up of two subsystems, and one is called software, which consists of the logical part of the program that we call programs, applications, the second is called hardware, which consists of the physical part, this is fan-type stuff, RAM.

What we know today as a computer, before was an analytical machine until a device with a large electronic quantity was created. The first machine in operation was in the year 1642 by the French mathematician Blaise Pascal.

The technology of that time the analytical machine, already had many of the characteristics of a modern computer, elements such as memory, the input flow and the processor influenced later more advanced computers. Analog computers began to be built in the early twentieth century; during this century there were great advances on the development of computers reaching the ability to perform multiple operations.

This device is very similar to the cell phone, they have the most similar tools, both have Internet, they can investigate, communicate, send emails, and more. It is very common to use a computer for any type of work, whether it is school or business, this factor is very useful since you can perform a variety of activities in daily life.

The computer as time has become an important tool for the human being according to Edgardo González (2010), this tool is very useful for most people because thanks to this you can carry out activities in jobs, in schools, in homes.

For this reason it can be observed that "the use of the computer today is inevitable at all times, be it at school, home, work, is a guide that establishes on the knowledge of the computer and the motor and mental skills to use it correctly"
"(Edgardo González, 2010, p 2)

Thanks to this computer, there are many possibilities to have a better lifestyle, in the student mode we can see it as an opportunity to grow as being able to apply in a

university outside of your country, to inform you about anything, there are also digital books which you can use as a basis for any type of information that you want to know and thus many more opportunities to inform you more and more. The most instantaneous and effective communication is also feasible for communication with people from different places.

2.3 Videos games

Video games are a center of entertainment for people, mostly for children and teenagers, which usually concentrates more on this than on what they should actually do, usually they disconnect from the real world in order to enter one in which they focus more on the game than on what happens around them. There has always been a great controversy about the benefits and dangers that video games could have.

It can be said that "video games were designed to entertain and amuse a person, which can be used through various media such as consoles, computers and cell phones" (Adriana Gil Juárez, 2007, p 12)

There are positive aspects of this, there are video games which can help people to de-stress, to have fun and be able to play in a responsible and good way, it also favors visual coordination and helps memory and retention capacity. So, there are also negative aspects such as the number of hours dedicated to this can be a problem, also the existence of bloody, violent games that should not be suitable for certain children or

adolescents who may suffer disorders in the short or long term, and parents who buy these games for their children who do not have knowledge of this.

Video games should be used with their respective age and maturity, so that there is no conflict with children and adolescents who use it. The misuse of this factor is that sometimes you can have conflicts with people around you because you can behave in an aggressive way, or it can also produce anxiety, insomnia and bad behavior in their environment.

Chapter III

Educative technology

Technology is the variation of knowledge with which you can create services that allows each individual to perform different types of activities, also to satisfy their desires and realize the need each. This is how we started with the educational technology that today is indispensable for different activities of each individual.

Currently, technology is extremely important and very satisfactory when using it for student learning, it has been considered that it is a more feasible way more quickly and effectively for students and their learning. There are many positive aspects of this method of study, because thanks to technology students can obtain more in-depth information on the investigations they perform for their daily tasks so that they can learn more and have more knowledge of it.

One of the most important positive aspects is that thanks to this the teachers facilitate the learning process and can carry out a number of activities to reinforce the knowledge of their students so that they are highly informed and wise people, Another aspect is when teachers facilitate the sending of tasks via online and thus the students can fulfill them quickly and with investigative guidance. Normally this technology is used through platforms, applications and social networks, which is a method more easily

for students because they are active in the technology most of their time and so they can solve tasks and jobs without any excuse.

There are teachers who still use traditional methods and we think it is right to use technology to study or send homework through it, but there are also teachers who are in favor of this method because they believe it is a more practical and good method teaching.

“Educational technology is not usually a conflict, although experience can show that the concept itself and the tools that are often used can become so. (Álvaro Galvis s, f, pg 6)”

There are people who tend to think that this method of study can turn out to be something negative, which may happen, since students may not take their studies seriously and do other activities instead of doing what they should, and so they could get to lose the year. Although this is a benefit for the students, there are other types of mentalities which believe that this is a bad method to teach the students and that it is only a waste of time, since the students focus on doing other things in their lives personal and do not put all their will to do the work and learn more.

The educational technology is a good method to carry out various activities, it helps to inform you more in any type of information that you want to find out, it has a variety of information of all kinds of topics, the communication that can be done with people from other places for academic help, etc.

3.1 Applied technologies in education

New technologies in education have been of great help to the majority of students to learn in a different way to the traditional, the use of technological devices and free access to the Internet to learn

And learn has had a great impact on the society since the frequent activities they carry out revolve through technology. There are a variety of ways to teach and learn how we can mention, online platforms, which are very helpful and the internet is a prerequisite to carry out activities and learn in a more creative and fun way. For the teachers, the platforms are very good because each one administers the content that the subject possesses and how they manage by dates, works, lessons, documents, and it is an easier way to control the deliveries of these.

These platforms are often used for distance education because it is very easy and very good. Everything is due to the use of technical resources such as the computer, cell

phone, etc. The extension of information and communication technologies are changing education in their teaching and learning processes.

Most students can get irritated to always see the same, thanks to technology you can find varieties of fun and exciting activities to do them, so they do not get bored and hate studies. Thanks to technology it is possible to expand educational offers for students, because thanks to this there are more possibilities to study in a very satisfactory way, including other languages to pursue their studies in a better place and thus be able to exceed your goals. Nowadays thanks to technology you can know more and self-educate yourself through videos, information, and some other methods so that you have more student opportunities.

How Raúl Fernández (s, f) mentions the technologies are in all areas of daily life, in the school environment, at work, in the search for information, in the structure of knowledge. (Pg 4)

The advantages that have been given of information and learning technologies are very numerous since it has the capacity to create learning contexts. (Raúl Fernández s, f pg 4)

3.1.1. Evolution of the use of technology in life and academics.

As time goes by, human beings have had the need and the intrigue to develop and build objects that help to facilitate work and improve lives. Technology has evolved in a positive way for we will be human and the good use that they give it.

In times past, there was not as much luck as there is now, the luck of having means of communication and broader opportunities in every sense. Before the way of communicating was different from what it is today, at that time the communication was based on ink and paper or oral communication face to face, however today there are many ways to communicate, for example, there is a variety of applications to communicate with people from different countries. . Technology has grown for the good and the betterment of people, because thanks to this one can do a number of things, not for communication but for learning and teaching that can be observed and made known.

The evolution of technology in the academic field has been a great evolution of very good help, because thanks to this there are more ways to learn, and also to use it positively in schools, colleges and universities, thanks to online work platforms that send through this, workshops of academic reinforcement, necessary information, etc.

By means of the surveys carried out to the students of the Javier Educational Unit, it is observed that of 50 students who made the survey, 95% consider that the use of technology in the student education is essential and 91% consider that the technology is important in the daily life.

CONCLUSIONS

At the end of this monographic work it is concluded that:

- In conclusion we can observe the evolution of technology; we can see how it grows every year in a surprising way. This has been a change for people, a change with a great benefit because thanks to this you can perform a number of things, things that benefit each individual. There are many positive aspects thanks to this artifact, aspects such as education, learning, information on any subject, etc.

- It is considered that the technology is used as a learning method; this method is the one that gives more benefits to each individual, because thanks to this you can inform yourself more, study more, and perform virtual tasks. Today technology is used in education units, in universities, even in jobs, since it is a quick way to communicate and perform tasks.

- We can also conclude that if we misuse this device can happen unwanted things, as in young people is very usual to have social networks like Facebook, Instagram, Twitter, etc. Thanks to these networks there can be things like "cyber

bullying" also known as virtual harassment, this is when young people use social networks to harass or attack a person through messages or use disclosure of personal things. This is a terrible use of technology because it does not have anything satisfactory.

- Finally, we must use technology as something positive and not waste it on things that do not work. We must take advantage of this great benefit that we have, thanks to this we can make a number of positive things that help us in our daily lives.

RECOMMENDATIONS

At the end of this work it is recommended that:

- At the end of this monographic word, it is recommended that the good use of technology be implemented in the Unidad Educativa Javier, so that the students know how to handle it in an appropriate and beneficial way for them, since this is a great benefit and has many positive activities of.

- It is also recommended to all people to take advantage and give many benefits to it, so they do not use it inappropriately and takes advantage of the good things that technology has. It is recommended to use it for important works, investigations, studies, and more things that have benefits for each one.

- Finally, it is recommended not to use this benefit for things that could harm someone or harm one. The most important thing is to know how to use technology for positive things, such as things that help to grow as a person and intelligence.

REFERENCES

Trevor, W. (1987), *Historia de la tecnología*. Editorial siglo veintiuno, España.

Antonio, F. (2012) *La tecnología en los jóvenes*. Ecuador. Editorial Universidad Tecnológica Indoamericana.

Gregorio, S. (2013) *Uso de la tecnología en el aula*. https://books.google.com.ec/books?id=seH9MVI_F_8C&pg=PT32&dq=la+tecnologia&hl=es&sa=X&ved=0ahUKEwjA1dTjis3eAhUE0lMKHWR6CeY4HhDoAQhDMAY#v=onepage&q=la%20tecnologia&f=false

OLIETE-JOSA, S. (2004), *Evolución y utilidad de un clásico del saneamiento*. Cuadernos Internacionales de Tecnología para el Desarrollo Humano. nº 1, pp 84. ISF, Barcelona.

BASER, H., BOLGER, J. (1996), *From Technical Cooperation to Capacity Development: Changing Perspectives*