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Digital Skills And Research Methods

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The use of technology in Nurseries.

Introduction

In this report, I will be conducting a secondary research report on the use of technology in nurseries. I will be researching and exploring the technology and communications systems that are used in nurseries. The objective of this report is to find out how the use of technology in nurseries is beneficial towards the children. I will be analysing the various uses for technology in nurseries as well as the health and safety side of things. I will then come to a conclusion of all of the facts and research done within the report.

The use of technology in Nurseries

In this modern world where computers, tablets and smartphones are almost everywhere, it was to be expected that they would make their way into nurseries. As the world becomes more and more technologically advanced, the nursery industry must also keep up with the latest technologies. Technology currently used in day centers makes the early learning experiences much better for young children. In addition, the technology increases the efficiency of daily functions, helps keep children safe etc. Some of the various uses of technology in nurseries include:

- **Surveillance**

Surveillance cameras are used in many day centers. This technology enables parents and daycare center administrators to connect securely over the Internet and view children in the center. This technology improves the safety of children and gives parents and tutors peace of mind.

- **Computers**

Today, computers play an integral role in teaching young children in daycare. Educational software and online educational games help children in kindergarten to develop the skills necessary for kindergarten. There are various system softwares that can help children with letter and sound recognition as well as the development of counting and ranking. In addition, the use of computers in child care centers allows children to explore the Internet and learn how to locate information.

- **SMART Boards**

Increasingly, daycare centers are implementing the use of a technology called SMART Board interactive whiteboards instead of traditional whiteboards. The SMART Board is an interactive display that enables touch control of Microsoft Windows computer applications. Daycare providers use SMART boards for daily classroom procedures. In addition, children use this technology to participate in interactive learning games that enhance learning skills, such as math and reading.

- **Learning**

1. Cognitive skills: Work on visual memory, relate means-end, develop auditory memory.

2. Identity and personal autonomy: Identification of individual characteristics: height, physical, features, Identify feelings based on gestures and gestures.
3. Promote self-confidence and self-esteem through various interactive activities.
4. Listen and work with interactive stories, Create greeting cards where they reflect their feelings, Draw freely about lived experiences, Express and highlight their experiences, ideas, experiences and wishes.
5. Basic guidelines for coexistence and social relationship: Habits of good behavior in classes, group work, valuing and respecting the activities of their partner, relating to the social environment that surrounds them creating affective bonds, developing the spirit of help and collaboration, contributing and defending your own criteria and points of view.

Health and safety.

It is also very important to mention the extensive list of health and safety matters.

To make sure that children are safe from any hazards at all times when using technology it is important to consider the following things.

- Children are never allowed to handle any sort of batteries.
- The battery cover should be screwed in place when rechargeable batteries are being used to avoid children gaining access to the batteries.
- Computer stations should always be appropriate in place for when the children use them.
- A childblock should be put on the computer so that children can use the internet safely.

The children should be talked through various health and safety practices to use technology safely.

- Carers should talk through safe practices with the children before using any type of technological device
- Only adults should be allowed to work/touch any electrical plugs and sockets. If a computer or other device won't power on, they should ask a carer for help.
- The normal permitted use of a computer device should be around to 10–20..

Children should also learn how to take care of the technological device given so that they don't break or get damaged. This means:

- Children learn to use the wrist strap when handling cameras to avoid an accidental dropping of the camera.
- Children should learn that all technological devices should be kept away from water at all times.
- All resources should be put away in an orderly manner after use.

Conclusion

Overall , we can clearly see the various benefits of using technology in nurseries whether it is for educational, security and development purposes. We can agree that it is and will continue to be beneficial. Although there is no correct or incorrect position, because the use of technologies at the age that is used regardless of whether they are younger or older, their misuse can bring unfavorable consequences, as well as on the other hand the appropriate use can bring with it big benefits. It can be considered that children, from their birth, are brought up in a technological world, which stimulates their curiosity to learn to use devices that use applications that can contain images, sound and even video, and that at first we can think that It only serves to distract them but they can also have an educational use from an early age.

Although the use of technologies can be beneficial in minors, it is necessary for their parents to supervise the use of these types of devices and the information that children receive through them. Currently there are hundreds and even thousands of applications available, of which a large number are aimed at education from preschool level. In this sense, to achieve the objective that is to use the internet and the various apps for educational purposes, it is necessary that both parents and teachers first define what the objectives are when making use of the different electronic media. for the education of the little ones, because to make use of them it must be clear what you want to achieve within the child.

The use of new information and communication technologies in the initial education stage is currently the focus of attention and study of multiple researchers. The results that have been found so far clearly show us the importance of the moderate use of the computer in the preschool curriculum. It seems that technology used in early year learning and in places like nurseries will not only increase but become a vital part of the curriculum.

Resources

<https://www.otherarticles.com/education/childhood-education/116590-use-of-technology-in-nursery-school.html>

<https://literacytrust.org.uk/resources/digital-technology-and-early-years/>

<https://www.tts-group.co.uk/blog/2017/06/28/20-practical-ideas-ict-early-years-beyond-part-1.html>