

Development of Logical Reasoning Activities for Children at the “Lar Sagrada Família”, in Apucarana - Pr


Milena Maria de Godoi

Federal Technological University of Paraná/ Campus Apucarana, Brasil

 <https://orcid.org/0000-0002-6382-2920>

Elisie Pialarissi

Federal Technological University of Paraná/ Campus Apucarana, Brasil

 <https://orcid.org/0000-0001-7547-4532>

Denielle Gonçalves de Oliveira Prado

Federal Technological University of Paraná/ Campus Apucarana, Brasil

Abstract: Logical reasoning is very important in the child's development, increasing their performance in learning as a whole, improving their concentration and decision-making when solving problems. The introduction of this tool and stimulus from the first years of education is necessary for children to grow up with a broad and more critical view, being able to argue, create, express and assimilate everyday situations. This work was developed in accordance with the needs found in the “Lar Sagrada Família” shelter located in the city of Apucarana, Paraná, where we could observe that the stimulus for this skill, even though it is a fundamental tool for the children housed there, was not being properly addressed. Educational games adapted to each age were made so that children could learn by playing. At the beginning, there was a difficulty in arousing the interest of those involved, as they are needy children and just wanted affection and attention. Over time, with the carrying out of the activities, it was possible to verify a great advance in concentration, evolution in interest, and also, expectations were generated for the next day. The work resulted in the children's cognitive development in a more logical way, contributing to their personal and social growth.

Keywords: Logical reasoning, Skill, Children.

Introduction

When talking about logical reasoning, it is natural to associate it only with mathematics, but this is not true, since it applies to all sciences and also to our daily lives, because through it we can make more intelligent

decisions. In addition, this subject, little addressed in schools, has been increasingly important at the time of tests such as public examinations and even the ENEM, the main way to enter the public university.

The study of this area can be approached in different ways, but it often leaves an abstract understanding in children causing difficulty and discouragement, so it is necessary to approach it in a more playful and fun way, arousing interest and curiosity.

Educational games help in intuitive understanding, and can become a great ally in pedagogical work in general, as they stimulate logical reasoning, increase concentration and help in decision-making, thus enabling the student's development in their learning and knowledge construction.

Method

The work was carried out in two stages:

First stage: making educational games, based on some books used for early childhood education, by authors Márcia Honora and Mary Lopes Esteves Frizanco. The games, Stop spoken, “Who am I?”, direction, “What's missing?”, treasure hunt, among others, were made in a simple and easy way to play.



Figure 1 e 2 – Material Used as a Basis for a Project at Lar Sagrada Família

Source: Authors, 2022

Second stage: it was the presentation of the games in the shelter “Lar Sagrada Família” that was carried through in the period of six months one hour weekly and working the games according to the difficulty found each week.



Figure 3, 4 e 5- Educational Games Used for Children’s developent.

Source: Authors,2022.

Results and Discussion

Based on the games prepared for the presentation of the discipline, the return and progress was significant, even though there were some difficulties such as the constant exchange of children in the workshops (only two children remained the entire period) and the difficulty in arousing their interest, since they are children. needy and wanted only affection and attention. There was also a discrepancy of knowledge on the part of the students causing difficulty when performing some activities that required different knowledge such as reading.



Figure 2: Treasure Hunt Game Held at Lar Sagrada Família.

Source: Authors, 2022

With the weekly activities, it was possible to verify a great advance in concentration and interest, generating expectations for the next day. It is noted that, in order to have a better follow-up, it would be important for everyone to participate in all the workshops, as the progress in the students who participated throughout the period was more significant than the others.

Conclusion

Being an area of extreme importance for the personal knowledge of all human beings, we can say that this stimulus motivated students to be better, to think more logically, through participatory knowledge, seeing, listening and manipulating, contributing to personal and Social.

Recommendations

Due to the difficulties presented by the participants and the special needs that some showed, it is clear that projects with this purpose would be of great value to the institution and its children.

Acknowledgements

We are especially grateful to “Lar Sagrada Família”, for providing the space and its students.

References

- Honora Márcia, Frizanco Mary Lopes Esteves, Coleção Pedagógica Contos Clássicos, Editora: Ciranda Cultural, 2011
- Andrade Márcia Siqueira, Estudo Sobre A Escrita Em Crianças E Adolescentes Abrigados, revista da associação brasileira de psicopedagogia, 2011. Disponível em: <https://www.Revistapsicopedagogia.Com.Br/detalhes/152/estudo-sobre-a-escrita-em-criancas-e-adolescentes-abrigados>
- Prieto, M. (2018). Raciocínio Lógico Matemático para o Ensino Fundamental. *Revista Científica Multidisciplinar Núcleo do Conhecimento*, (2448-0959), pp.54-76.