

THE CREATION OF AN INTERACTIVE ENVIRONMENT, AVAILABLE IN THE INTERNET AS A PEDAGOGIC TOOL FOR THE LEARNING OF TEACHERS AND STUDENTS.

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1. INTRODUCTION:

The educational environment is a privileged space for appropriation and construction of knowledge. The school's role is give students and teachers tools to think in a creative way about the problems of this society that is in constant transformation. It is necessary to try overcoming the existent loss of balance between the speed and the multiplicity of technological and social changes and the rhythm of the changes in the education, that stays based in the teacher's speech and in the student's written reproduction.

The use of the Internet as a support for the witness teaching, brought changes in the educational paradigm and in the teaching-learning process (MORAN, 2000). These changes appear according to the need of breaking up the traditional model of education, where the teacher exposes their knowledge and the students just listen, to an education model where teachers and students learn together, in a collaborative way, with interaction, in an extra classroom environment.

In that way, we chose as research object, the possibilities of using this technology in the renewal of the teaching space. That research is accomplished, in an empiric way, through the "Creation of an interactive environment available in the Internet, for teachers' learning and students from a Public School named: Ministro Costa Manso", because we believe that the Internet, appear as a promising way in the processes of knowledge construction, because they make the exchange of information easier, as support to the witness classes or as a ease of the away classes.

Another reason that took us to this project was the attempt of developing a system of pedagogic support to the students and educators, making possible a better use of the Internet in their teaching-learning for both and particularly concerning about the cooperation in study groups.

Besides, we looked for a direct relationship with the educational technology, in the choice of our theme, that resulted in a transformer proposal. Thus, the development of an interactive environment of learning fills out this condition: to research an object of which applicability and concept of educational technology can be verified, studied and rethought.

This research is centered, then, in two slopes: the first one is to think about a virtual environment of learning, the second one is a case study, the one of the Public School Ministro Costa Manso. The choice of this institution is due to the fact of having a pre-existent contact with it, once the teaching activity was developed by one member of the group, in the High School, in 1995, what allows us to know it better. Besides, the concern of the school with all their collaborators' updating (directors, coordinators, employee and students) due to this new technology, created a propitious survey for the accomplishment of a deeper reflection.

The school in subject belongs to the Government and, in spite of being located in a high middle class neighborhood (Itaim Bibi - São Paulo), it goes by financial and structural difficulties, as many other schools of our city in comparison to private schools. Most of the students of the first grade comes from public schools and belongs to the medium layers of the society.

Despite going by structural problems and financial difficulties, there is the interest in improving the quality of teaching and become the use of the Internet in the education a reality in the school context, what makes the Direction, coordination, faculty, student body and community support the project and work in a cooperative way to reach their goals.

This project gives the opportunity to this school community seize this technology and find more efficient ways to work the knowledge and to manage the own learning. So, this process can make them become "competitive" citizens, not only in the world of the work, but also in the search for a superior education of quality.

2. OBJECTIVE:

The main objective of this research project is the study of the possibilities of Internet as pedagogic tool for teachers' and students' learning.

This aims at main is unfolded in the construction of a Site, referred *Costa On-Line*, that should provide a rich environment in interaction and collaboration, so that students and teachers can build their knowledge in a multi and interdisciplinary action with the support of Internet, in the configuration of a more efficient and interactive pedagogic practice. The empiric aspect of this study will be contemplated in function of the availability of referred Site for the Ministro Costa Manso Public School.

The next goal is making the faculty and student body aware of the school in subject, that the use of the computers, connected to the Internet, conjugated to the witness teaching, will bring positive changes in the teaching-learning process heading for an interactive education.

After the awareness process of the teachers, the faculty will be able to work in the interactive environment of learning and in others virtual environments, through courses, lectures and dynamics.

This formation and awareness process will make possible the development of a synchronous and asynchronous learning starting from their different environments. The students from High School will work collectively in projects and activities, interacting and exchanging experiences with friends and teachers, using *Costa On-Line* not only as a communication channel, but also for collaboration and research, so that they can build their own knowledge.

3. METHODOLOGY:

This research was developed being adopted methods of qualitative analysis, because there is an alive dependence between the subject and the object, because the researchers are part of the project of implantation of *Costa On-Line*.

We use the case study to investigate if students and teachers from *Ministro Costa Manso* Public School are using the interactive environment as a pedagogic tool, delimiting the area of the work - it will be considered as sample the witness existence and virtual of the students of the Public School *Ministro Costa Manso*. As we are developing a work that will be used later by the school, the case study, was the most appropriate approach.

The case study defines parameters for other studies and, with the technical evolution, the subsequent cases take less time than the first. It consists in a detailed observation of a context, of a human being, from a single source of documents or from a specific event. The research based on the case studies are tendentially descriptive, and can assume a big diversity of ways and goals.

We used in our research questionnaires with open and closed questions of multiple choice, that will be provided to the directors and coordinators, teachers and students from High School, from *Ministro Costa Manso*, on this school year. We believe that the closed questions offer two advantages: the easiness and quickness as in the application process as in the tabulation of the obtained data. However, the open questions will make possible a larger exhibition of the educators', direction's, coordination's and students' knowledge about the theme, then we will be able to obtain the data closer to the real thought.

Besides the application of the questionnaires we will also use the technique of observation, because we intended to evaluate:

- as it happens the students' interaction and teachers in the virtual environment;
- if this interaction is being productive and cooperative for the construction of the knowledge of both;
- which changes happened in the teaching-learning process with the implantation of this interactive environment, in the *Ministro Costa Manso*.

The technique of observation will be done in a systematic way (we will be present virtually and personally) and also when it is necessary and opportune.

We will use in our research the sampling non-probabilistic, because as our work will focus the "Creation of an interactive environment available in the Internet, for the teachers' learning and students of the *Ministro Costa Manso*", we will observe if the use of this *Site* causes or no a progress in the teaching-learning process, verifying and elucidating the results to try to use the interactive environment as pedagogic tool.

4. PRODUCTION AND EXISTENCE IN THE INTERACTIVE ENVIRONMENT OF LEARNING:

The Interactive environment of Learning *Costa On-Line* was developed in the FrontPage software. This Software is able to construct pages to be available in the Internet, in HTML language. Nowadays, *Costa On-Line* is available in the page www.anhembi.br/portal/servicos_e/alunos/nota10/pedagogia and it presents a support area to the witness teaching, where projects, forum, chat, discussion list and, still in construction, a mural of exhibition of works can be available by teachers and students.

The ex-students of the school, that participated previously of a project of environmental awareness, collaborated in the development of the virtual environment, and the material produced by them, is available in *Costa On-Line, nowadays*. It was developed a material in video an interview with them, to sustain the ex-students' collaboration.

The interest in participating in the Interactive environment of Learning of *Costa On-Line* was not restricted only to the *Ministro Costa Manso*. Computer Science Teachers of the Education of the Pedagogy Course of the Universidade Anhembi Morumbi had interest in publishing the project for their students and they used the environment of learning of *Costa On-Line* as support to their classes. They are being accomplished since April, existences witness and virtual in the "*Costa On-Line*", where the

students of the Pedagogy Course are discussing available subjects at the forum, and analyzing authors' texts that approach on Away Teaching. All those existences witness are being documented in video.

Another important participation will be from *Colégio Sidarta*, an institution without lucrative ends that works in partnership with the School of the Future of the University of São Paulo, that also demonstrated interest in being using the environment for experience exchanges with the students of *Ministro Costa Manso*, besides they are together using this tools before mentioned. This participation will be happening starting from May.

Next weeks, we will be applying these classes in the other semesters of the Pedagogy Course of the Universidade Anhembi Morumbi and on May we will start the classes in the *Ministro Costa Manso*.

The data exhibited here are not the conclusive of this project, because it is still in development, but we believe that it is possible to demonstrate the inclusion and the merit of the work .

5. BIBLIOGRAPHICAL REFERENCES:

MORAN, José Manuel. **Novas Tecnologias e Mediação Pedagógica**. São Paulo: Papirus, 2000.