The Way Classroom Functions: Another Hidden Curriculum to be Explored

Victoria Konidari, and Yvan Abernot

Abstract—This paper seeks to explore the actual classroom setting, to examine its role for students’ learning, and attitude in the class. It presents a theoretical approach of the classroom as system to be explored and examines the concrete reality of Greek secondary education students, under the light of the above approach. Based on the findings of a quantitative and qualitative research, authors propose a rather ontological approach of the classroom and underline what the key-elements for such approach should be. The paper explores extensively the theoretical dimensions for the change of paradigm required and addresses the new issues to be considered.

Keywords—Group, class, collective subject, field, temporality, ontology.

I. INTRODUCTION

One of the most common definitions of hidden curriculum is that it designates "all beliefs and values and understandings that are passed on to the student in an educational institution, not through formal teaching, but, unconsciously, through what the institution implicitly demands of the student" [1].

In this paper, authors adopt Jackson’s [2] approach of hidden curriculum, which has originally coined the term and who insisted on the need to understand "education" as a socialization process. According to Jackson, we have to understand not just the social construction of knowledge (the way cultures define and produce what they consider to be valid forms of knowledge), but also the way the teaching and learning process is socially-constructed. In this respect, Jackson summarizes this idea when he argues: "The hidden curriculum refers to ways in which pupils learn to accept the denial and interruption of their personal desires and wishes". In this work, authors closer to the dimension of socialization process of Jackson, chose to refer to a parallel hidden curriculum that does not depend on what the institution demands of the student, but on the social dynamics of the class of students, on what the class of mates demands, and how the attitudes suggested by the students’ immediate social environment create an habitus and influence students’ identity and learning.

The first part of this paper points out a theoretical approach based on the conception of class as complex system and dresses the main elements that need to be explored. The second part presents the findings of a quantitative and qualitative research carried out in Greek students, in order to explore the impact of classroom on students’ attitudes and learning. Finally, the authors addressing the need for an ontological perception of class reality, conclude with the issues to be taken into consideration for students’ learning and development.

II. THEORETICAL APPROACH

This approach is registered in a systemic perspective registered profoundly in the educational field to be explored. As unit of analysis, is taken this time not the single individual nor the school establishment itself, but the classroom as an emerging entity constructing and negotiating continuously its collective reality and identity. Each classroom is thus a system that relates acting persons in spaces of significations collectively constructed and negotiated [3], [4], an artificial system that sets up the fundamental field for their success. It is not only the “relationship to knowledge” and the “results” or “process of knowledge” [5] that are important but also the relation to the context, to the field this knowledge takes place that are crucial. The main argument for taking class as unit of analysis is based on the fact that whatever are the real or supposed family problems that may have an impact on the child and on his schooling, it is always pertinent from a theoretic point of view and useful from the pragmatic point of view to consider a school problem in the context it is manifested, to search solutions in that context, whatever are the therapeutical measures taken or not elsewhere [6].

For their theoretical approach authors took into consideration two axes: First of all, the importance of group as dynamic entity, as it has been depicted by the researchers throughout the last century. It has been underlined that groups have a psychology that is different of that of individuals [7]-[9], that the self is a social and cultural construction created through every day interactions [10], that there is a correspondence between social and mental structures [11], that cognitive development depends on the interiorization of social coordinations [12], finally, that is the group the one that determines the individuals and not the opposite [13].

Secondly, given the importance of the classroom system for students’ learning and well-being, recent researches on class...
function have been taken into consideration making the situation more alarming and the need to explore this reality more imposing. Classes become characterized by indifference, inertia and unwillingness to take any risks that may show up the individual [14]. This attitude prevents students from engaging in a deeper educational experience, they settle a safer option, are not exposed to risk, avoiding and withdrawing from challenge. However, this may result to a major risk: “a damaging change in the learning process often happens …which can last a lifetime…Instead of continually practicing making connections, guessing and inventing, the focus of learning shifts subtly away from learner to teacher. Instead of steadily increasing his or her skill in retrieving, connecting, comparing and transforming information, the child reacts passively and comes to rely on the authority of the others. If he does not know the precise answer…he waits for others to explain [15]. Moreover, many are the authors that have emphasized the importance of the classroom context as an artificial and relational system for students learning [16],[17], the detrimental effects of inappropriate class contexts for students’ progress, cognitive and emotional profile [18], [19] and the great influence of school context to both students’ identities, motivation, self-concept and attitudes towards learning [20]-[22]. Finally, there is also a large number of researchers that prove that when students are not supported by their class mates, school activities appear to be less interesting [23], school motivation and social aims are affected [24], and interest for lessons decreases [25]. In more general terms, when a child feels supported from the others, his efforts in the school and in the social level are positively affected [26].

Under the light of the above approach and the research outcomes taken into consideration, authors wanted to explore the actual educational setting in Greece to explore the way the class functions and what are the effects of this function on students’ identity and learning strategies.

III. RESEARCH ORIENTATIONS

Authors’ main argument for their theoretical approach is that a student cannot be “good” and take advantage of all his possibilities unless he is sufficient in the psychological, relational and emotional level and the environment he is inserted in is suitable for his development. In that context, the parameters of psychological climate, of self-concept and students’ profile have been examined as important dimensions of the field that structure students’ learning.

A. Research: Methodology, Tools.

In order to explore the way the class system functions the method of triangulation was used. Two questionnaires measuring the Class Psychological Climate and students’ self-concept were affected to 760 students of 4 public secondary education high schools of 4 different regions of Greece. The same questionnaires were distributed in the beginning and in the end of the school year so that we can see the evolution during the school year. Another one questionnaire examining students’ profile was distributed to 674 students at the end of school year in the same schools. It has also to be noted that interviews were conducted in a particular group of 89 students of the same schools, as authors wanted to corroborate the findings of the questionnaires for this particular group.

The first questionnaire (Classroom Environment Scale CES). created by R. Moos and E. Trickett and adapted to the greek reality by M.G. Matsaggouras, aimed to explore the psychological and the learning climate of the classroom. It is composed by 24 questions measuring six dimensions of school environment: involvement, affiliation, teacher support, order/organization, rule clarity and task orientation. Students were invited to express their agreement or disagreement on the 24 questions of the questionnaire. It has to be noted that $\alpha =0.9$.

The second questionnaire on self concept created by Harter, S. and adapted to Greek reality by Makri-Mpotsari, E. (2001), was composed by 55 questions centered on 10 main axes of general school competence, relations with children of the same age, competence in mathematics, relations with parents, competence in sports, competence in literature, behavior, friends, physical appearance and self-esteem. For the needs of this work, focus is limited on the axes of relations with classmates, behavior, and self-esteem. Cronbach’s $\alpha$ varied from 0.72 to 0.84.

The third questionnaire aimed to explore students’ profile and to encompass the missing gaps of the two previous questionnaires. In this questionnaire students were invited to answer on questions on a Likert scale centered on 6 main axes: student profile, class environment, emotions, motivation type, processes of help seeking, relations of their parents with the school. Cronbach’s $\alpha$ varies from 0.5 to 0.89.

B. Interviews

Students’ participation on the interviews was on a voluntary basis. Students’ to be interviewed were chosen with the help of their teachers. Teachers were asked to indicate weak or average students that although they have possibilities to be good students for some reasons present a weak engagement to school. Good students were excluded from the interviews because in their vast majority they are students that have a strongly supporting family environment. Participants as a group could be described as an homogenous group as they were all average or weak students with a similar profile according to their teachers. Interviews were registered and transcribed. All participants were assured for the anonymity and confidentiality of the research. The treatment of the interviews was processed with the software Sphinx Plus2-V5.

The aim was to obtain a clear perception of students’ profile and to corroborate some of the findings of the questionnaires with this particular group of students.
IV. FINDINGS

A. First Questionnaire: Psychological Climate

As we see from the above figures, class psychological climate presents either stability or deterioration for the majority of schools and for the majority of the variables. It has to be noted that the first class presents a deterioration in the first three parameters of student involvement, student affiliation and teacher support, whereas the third class presents deterioration in the last three parameters related to class function. Moreover, the variable of “task orientation” is the variable the more affected that presents the more important decrease in all classes and in all high schools followed by that of “student involvement”.

B. Second Questionnaire: Self-Concept

In the following figures we see the evolution of self-concept in the following five parameters: general school competence, relations with school mates, competence in literature, behavior, self-esteem.

The above figures testify an alarming situation as student’s self-concept in the five variables examined presents a systematic and generalized deterioration for all the classes, variables and schools.

C. Third Questionnaire: Students’ Profile

The Figs. 7 and 8 were chosen as the more representative of the results of the third questionnaire. It is absolutely necessary to be noted that 60.1% of students seek help less than the half...
of times that they need. It is fundamental also to underline that the principal reasons cited by the students for the avoidance of help seeking are the shame or the fear of the tease of the others (58.5%), and the lack of time (27.4%).

![Fig. 7](image1.png)

Fig. 7 How many times are you asking for help in the classroom in case of fault or miscomprehension?

![Fig. 8](image2.png)

Fig. 8 Reasons of avoiding help seeking

<table>
<thead>
<tr>
<th>TABLE I</th>
<th>REASONS OF AVOIDING HELP SEEKING IN THE CLASSROOM</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Be ashamed</td>
</tr>
<tr>
<td>2</td>
<td>Lack of time</td>
</tr>
<tr>
<td>3</td>
<td>Boredom</td>
</tr>
<tr>
<td>4</td>
<td>Lack of interest</td>
</tr>
<tr>
<td>5</td>
<td>Teacher is going to be mad</td>
</tr>
<tr>
<td>6</td>
<td>I don’t need it</td>
</tr>
<tr>
<td>7</td>
<td>Teachers will reprimand me</td>
</tr>
<tr>
<td>8</td>
<td>Teachers don’t know the answer</td>
</tr>
<tr>
<td>9</td>
<td>I am stressed</td>
</tr>
<tr>
<td>10</td>
<td>The others are posing the question</td>
</tr>
<tr>
<td>11</td>
<td>I take private lessons</td>
</tr>
<tr>
<td>12</td>
<td>Teachers don’t care about me</td>
</tr>
</tbody>
</table>

D. Interviews

The above figure presenting the most important findings of the interviews of this particular group of students, confirms the results of the questionnaires as 33.7% affirm that they don’t have self-confidence, 49.4% feel isolated in the classroom, 50.6% don’t have the necessary psychological support of their teachers, 100% esteem that there is not enough time in the classroom, whereas 100% of these students don’t seek for help because they have shame. Our sample is composed by 56.2% of boys and 43.8% of girls. 20.2% are on the first grade, 16.9% on the second and 62.9% on the third.

V. DISCUSSION

The above results could be summarized as follows: shame, isolation, affaiblishement of self-concept, avoidance of help-seeking, decrease of psychological climate. They testify in other words a deficit manifested in three levels: communicative, relational, and temporal (Fig. 10).

First of all, we should say that communicative deficit is of outmost importance as communication is an activator of social change [27], serves comprehension [28], participates in the construction of sense-making [29], and assures the existence and the coherence of a system [30]. Communication is, apart from a cultural and social reality that concerns the way people and societies contact each other [31], a fundamental human need as people need to communicate with the others in order to obtain self-consciousness [32]. We observe thus that group communication appears as a process that can blur the limits of the self as when these limits are uncertain and the feeling of identity is fragile, the multiplicity of looks may cause a feeling of depersonalization [33]. Todorov’ words [34] on this subject are revealing: human existence is not threatened by isolation but by certain forms of communication that are impoverish and alienating.

Secondly, relational deficit becomes even more important if we consider that there is a direct relation between a group’s cohesion and satisfaction [35], that a non cohesive group holds in general a negative opinion of itself [36] and that the isolation of individuals within the group is an essential factor for the development of conformism [13]. Considering that a group is not a gathering of individuals in interaction but fundamentally an institution, vehicle of values, norms, and rules that structure the perception, emotions and behavior of
its members [33] and that the fading of psychic groupality is directly correlated with the fading of the ways of thinking, working and acting [37] makes the above deficit even more alarming. School population appears rather as a mass of non identified individuals, like a group whose possibilities to bound relationships and to approach knowledge through living, working and being together appear reduced.

Finally the temporal deficit is crucial as from the sociological point of view time has a function of coordination and integration [38], is gifted with signification [39], and it is substantially related with the emergence of alterity (ibid. p. 343). “We have to wait for sugar to melt” used to say Bergson [40]. There is no conceivable system without environment and duration is indispensable both for the evolution of the environment and the development of internal interactions [41].

Under the light of the above considerations it is to be noted that that most of the researches carried out until today focus on the map of school reality whereas the particular territory of classroom and the emerging habitus have not been thoroughly explored. In other words, it seems that it has been ignored one of the first principles of Damascius and of neoplatonic philosophers that the knowledge of the knowable exists in the knowing subject, and not in the known. It seems that it has been forgotten that complex systems characterized by an operational closure have their own mechanisms determined by the network of their internal interconnexions that need also to be explored. In other words, it has been forgotten that to know the object, we have to know above all its internal properties [42].

It has been forgotten finally that human beings are situated and that their relations and bounds are mostly ontological. By adapting Banasayag’s words [43], it is argued that the efficacy we are looking for cannot be only linear or immediate simply related to students’ progress or to school outcomes but also ontological, as each person belongs to a scenery, a land, a temporality. We can think of the situation, we can think of the scenery, but this thinking is immerged, included in the scenery of which it is part (ibid. p. 194). In other words, the thinking of the situation from a phenomenological point of view it is the person in its becoming and deployment (ibid. p. 193). Briefly, we forgot the fundamental principles of Wittgenstein [42] that I am my world (microcosme) and that the world is the totality of what takes place, the totality of the facts not the objects. Because the totality of facts determines not only what takes place but also what does not take place.

What emerges as real aporie (question) at this point is how we can create new possibilities for the students and the situation. Given the fact that anytime we think in terms of more and less, we ignore the differences of nature between the two, or between the persons, the existants [40], and that perhaps the biggest mistake of thinking, the common mistake of both science and metaphysics is to conceive everything in terms of more and less, and to see only differences of degree or intensity where there are essentially differences of nature [44], we chose to skip the logic of seeing class reality in terms...
of efficiency or efficacy, and to see it as an emerging, self-organized entity to consider it in an ontological perspective under the prisme of three key-elements: the collective subject, field’s internal elements, temporality (Fig. 11).

The above figure stress first of all the need to consider classroom as a collective subject, as although the last twenty years researches on social cognition have shown that cognitive functions are largely dependent on the social context in which they are realized [45], and that the most during changes are obtained in collective situation [8], the way school class function is far from being that of a learning community when there are fragile identities, poor communication channels and weak engagement towards the school establishment.

Secondly, the work environment should also be considered as a determinant factor not due to its technical characteristics but, rather, due to its complex relations and interactions among individual perceptions and beliefs, and organizational routins [46]. Briefly, the context determines the relation of individual to the task, its way of working and its investment to the situation [50]. Our choices are orientated by our socially constructed and profoundly interiorized experiences, by our cognitive capacities, visions, preferences, hierarchies. There is thus a relation between the objective and incorporated structures that form the base of individual’s relation to the object of knowledge [47].

Trying, therefore, to change the knowledge paradigm for students without exploring the context in which any change effort is to be implemented, deprives the effort from its possibilities to succeed. The context is not considered just in its technical or structural dimensions, but mostly in the dimensions of interaction and interrelation, as persons in interaction become environments for each other [48], as the context is in the same time producer and result of the social action [49] as the structures do not exist as elements exterior to individuals and social groups but they are interiorized and interjected in a way that they are integrated parts of their structure [50].

Finally, as for the dimension of temporality, it is time we moved from the linear, absolute, rational perception of time proned by Galilee, Newton and Descartes, according to which time has to be productive, useful and rentable [51], aligned to financial and technical priorities and evaluated according to its quality of time. It is time we consider that creation, being and time go together requiring one another [57]. Finally, we insist on the importance of time, not only because we need much time and effort to change a complex system, since we have to understand the system in order to change it, if we want the change process to be successful [58], but mostly because for the change to be introduced there is need for a different quality of time.

VII. CONCLUSION

Through the analysis of the three deficits detected in Greek secondary education students, authors came to the conclusion that the implicit and often unconscious way classroom functions determines students’ learning, fragilizes their identity and undermines their learning outcomes. The solution proposed in order to change the above reality consists to consider school efficacy and class function under an ontological perspective based on the intercation and interdependancy of fields’ organic elements. In other words, authors by adopting Benasayag’s words argue that it’s time to understand that the more I become impotent, the more I diminish my capacity to act, the more I diminish my scenery. And this goes both ways [43].

REFERENCES


Konidari Victoria is a Doctor of the Department of Sciences of Education at the University of Provence (Aix-Marseille I), in France. She completed her graduation in the Faculty of French language and Literature at the University of Athens, in Greece in 1997. She received the University Degree of Transfer from the University of Human Sciences of Strasbourg in 1998. She received her Master’s Degree in Learning and Evaluation Systems from the University of Provence, (Aix-Marseille I), France in 2003. In 2004, she received her Master’s Degree in Didactics of French as a Foreign Language from the Open University of Greece. Since 2003 she is a doctor of the Department of Psychology, Sciences of Education in the University of Aix- Marseille I. She has published several papers and reports in French and English journals. Her research interests are in the areas of knowledge cities, knowledge management, evaluation and collective capacity building.

Abnerot Yvan is a Professor of Universities in the University of Providence. He has received his PhD in 1981 from the University Louis Pasteur in Strasbourg and his Post-doctoral degree in 1993 at the same University. He has published several books and numerous papers and reports. His research interests are in the areas of evaluation, learning, semiotics, pedagogy and media. He has to his credit several publications and published papers in journals and periodicals. His research activities include Rapport ‘activité de la J.E; 1934 sur les NSEA, 1995. (Secrétariat des S.E. Université Louis Pasteur, Strasbourg). He has been involved with Docimologie, Evaluation, Apprentissage, Actualités pédagogiques, Sémiole, Pédagogie et media an dis responsible for doctoral programmes, scientific methods, organisation of seminars, administration and for the programme SOCRATES.