

@fise group


**@formal and informal science education
group**

Founding members

**Katerina Plakitsi, Associate professor, University of Ioannina,
Greece**




**Efthymis Stamoulis, PhD St., University of Ioannina
Charikleia Theodoraki, PhD St.
Eleni Kolokouri, PhD St.
Eftychia Nanni, PhD St.**

@FISE GROUP - PRESENT	PhD researcher Name	Thesis (research done - final assignment)	Awards- Highlights
	Post Doc Dr, Panagiotis Piliouras	Teaching explicitly and reflecting on elements of nature of science: A discourse focused professional development program	Ministry of Education, School Advisor
	Efthymios Stamoulis	The historical and philosophical dimension of primary school science using ICT tools.	-Ms (ICT) & MA (Education) -Scholarship by the National Agency (I.K.Y.) Tools: WEB.2, data=log files
	Charikleia Theodoraki	Designing and analyzing tasks for early grades using CHAT	-National Scholarship funded by the frame program HERAKLITUS -ISCAR Summer School Scholarship Tools: Nvivo 09
	Eleni Kolokouri	CHAT in formal and informal science education to pupils of 5-9 years old. The case of cartoon animations.	-Scholarship for ISCAR Summer school in the Moscow City University of Psychology and Education Tools: Nvivo 09
	Eftychia Nanni	CHAT in primary school teachers training in science through formal and informal settings. The case of living things.	-Ms in Environment Tools: Moodle e-learning platform

PhD researcher Name	Thesis (new research)	Awards- Highlights
Ioanna Christonasi	The teaching of Optics to pre-service teachers through the lens of CHAT	-Primary school teacher -St. of Physics Tools: Second life
Liana Stylianou 	Transferring good practices from the Environmental Education sector to Science Education sector	-MA (Science Education) -Head of the Environmental Center of Naousa, Central Macedonia
Vasilis Wooseas	The fauna of Amvrakikos Lake Environmental education for children and lake's habitats	-Ms (Environment) -Discover of 3 new birds species -Mensa member
Katerina Dalagianni	Science Education for children with special Needs	- Volunteer in various NGOs
Vangelis Tsarouchas	The science lab historical development	Awarded by Dublin City University (joint European PhD)

International Cooperation

	Experts name	Affiliation	Section of Cooperation	Duration
	Wolff-Michael Roth http://web.uvic.ca/~mroth/	University of Victoria Canada	Co-authors Invited Speaker Honorable PhD by the UOI	2008-now
	Kenneth Tobin http://www.gc.cuny.edu/Page-Elements/Academics-Research-Centers-Initiatives/Doctoral-Programs/Urban-Education/Faculty-Bios/Kenneth-Tobin	Graduate School of NY University, US	Cultural Studies of Science Education (Journal and Book series editor)	2009 - now
	Catherine Milne, Mary Leou, Konstantinos Alexakos	Steinhardt School of Culture, Education, and Human. Development, NY University	Cultural Studies of Science Education (Book series editor, reviewer)	2009-now

	Experts name	Affiliation	Section of Cooperation	Duration
	Norman Lederman http://www.iit.edu/csl/msed/faculty/lederman_norman.shtml	Illinois Institute of Technology, Chicago, US	Co-organizers co-chairs of Symposium at NFSUN 2014	2013-now
	Sylvie Barma	Laval University of Quebec, Canada	Founding members of ISCAR-STEM http://www.iscar.org/el/Sociocultural_approaches_to_Science_Technology_Engineering_and_Mathematics_Education . Co-organizers co-chairs of Symposium at ESERA 2013 & ISCAR 2014	2011 - now
	Mattias Lundin	Linnaeus University of Kalmar Sweden	Co-teaching and co-researching ERASMUS INTENSIVE PROGRAM "LIGHT" ERASMUS INTENSIVE PROGRAM "SOCIAL RELATION IN SCHOOLS"	2009-now
	Thomas McClouglin	St. Patrick's College, Dublin City University	Co-teaching and co-researching Joint PhD ERASMUS INTENSIVE PROGRAM "LIGHT"	2009-now

Funding

Funding Program	Role	Partners	Topic	Website
ERARMUS Intensive Programme - Light 2009-2012	Co-ordinator K. Plakitsi	7 European Universities (6 bilateral agreements)	Light and Sustainability	(http://erasmus-ip.uoi.gr)
ERARMUS Intensive Programme -Social Relation in Schools 2013-2015	Partner- UOI Coordinator	8 European Universities	Diversity	
CALLIOPE PROJECT: Communication for Adult Learning: Leveraging Innovative Options to Promote Effectiveness 2012-2013	Partner- UOI Coordinator	5 European Institutions	Public Speaking	(http://calliope-project.org/).
ISWA PROJECT: <u>Immersion in the Science Worlds through the Arts.</u> SiS-2010-3.0.3-1 Science and the Arts: an experimental approach. 2011-2013	Partner- UOI Coordinator	16 European Institutions	Science and the Arts	(http://iswa.fisica.unina.it/index.php/the-project)

Funding Program	Role	Partners	Topic	Website
New Greek Science Curriculum Reform 2011-	Co-ordinator K. Plakitsi	20 experts	Primary science curriculum	(www.meletiperivallontos.gr)
New Greek Science Curriculum Reform 2011-	Co-ordinator K. Plakitsi	20 experts	Primary environmental science curriculum	(www.meletiperivallontos.gr)
New Greek Science Curriculum Reform 2011-	Co-ordinator K. Plakitsi	20 experts	Secondary science curriculum	(www.meletiperivallontos.gr)
New Greek Science Curriculum Reform 2011-	Co-ordinator K. Plakitsi	20 experts	Teachers' Guidelines	(www.meletiperivallontos.gr)
New Greek Science Curriculum Reform 2011-	Co-ordinator K. Plakitsi	40 experts	Teachers Training	(www.meletiperivallontos.gr)
New Greek Science Curriculum Reform 2011-	Co-ordinator K. Plakitsi	40 experts	Pilot of the primary science curriculum	(www.meletiperivallontos.gr)

International Awards

year	Awards – Distinctions
2013	Organizer/chair of three international Symposia NFSUN 2014, and ESERA 2013 and one thematic event ISCAR 2014
2013	CALLIOPE project (http://calliope-project.org/) for Adult Learning
2012	Founding member of (ISCAR-STEM).
2012	Visiting Professor to St. Partick’s College (Dublin City University) Ireland.
2011	Discussant to the TRACES Symposium ESERA 2011
2011	Advisory Committee of the 6th Greek PhD School (http://ihpst2011.eled.auth.gr/phdschool.htm).
2011	Contract offer from Springer Roth, W.M., Goulart, M.I.M., Plakitsi, K. (2013). Science Education during Preschool Years A Cultural-Historical Approach.
2010	Invitation from the editor in chief of the international journal Cultural Studies of Science Education, Ken Tobin, to write a review essay on Goulart and Roth’s article, in CSSE, 5(3): 577-590.
2011	Visiting Professor to Linnaeus University of Kalmar Sweden.
2010	Co-ordinator of seven successful bilateral agreements between University of Ioannina, University of Naples-Italy, Linnaeus University-Kalmar-Sweden, St. Patrick’s College-Dublin-Ireland, University of Cyprus, University of Minho-Portugal, Eindhoven University of Technology-The Netherlands.
2011	Introducer of Wolff Michael Roth as a doctor honoris causa. Conferral Ceremony: 2011-5-31.
2010	Awarded PhD by the Program HERACLITUS II (funded for three years)
2010	Distinction as an “Example of best institution’s practices” from the National Agency concerning ERASMUS INTENSIVE PROGRAM “LIGHT” http://www.iky.gr/IKY/portal/gr/default/CMSSGRWindow?action=2&uri=/gr/socrates/hmerides/hmer_eras.html
2010	2 nd honorary distinction of the short movie “Day Out” made by the ERASMUS IP 2009-2010 LIGHT students. Thessaloniki International Short Film Festival (http://www.azafestival.com/anl_2010winners.html).
2008	Session’s Best Paper of IIIS Conferences (EISTA 2008) titled “The Importance of Neuroscience Research in Science Education”.

New researching lines

A science teaching program for primary schools



Stages of expansive learning in activity of teaching of electromagnetism

<http://users.sch.gr/estamoulis/em/ds5/GilbertA.html>



A science teaching program for primary schools

Data

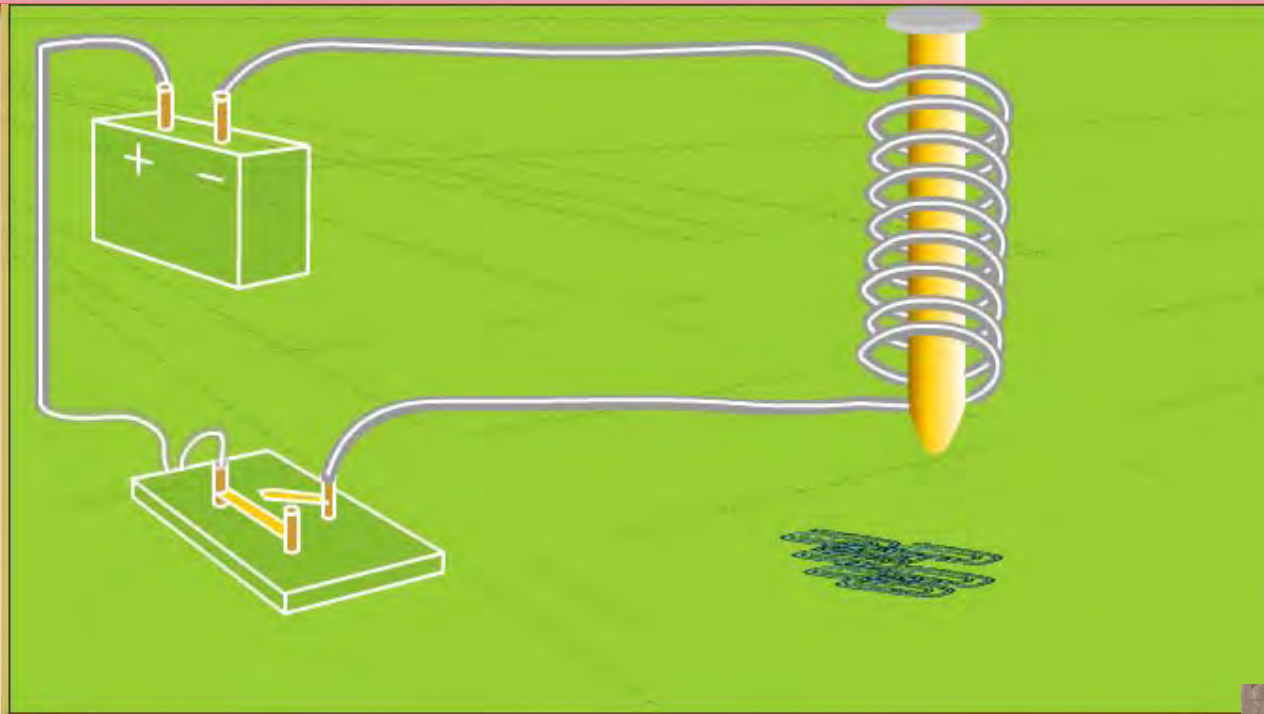
- «log file», were divided in episodes that corresponded to the different phases of the expansive learning

- the teaching was video-recorded and coded, in order to observe the students' acts in every phase of the expansive learning

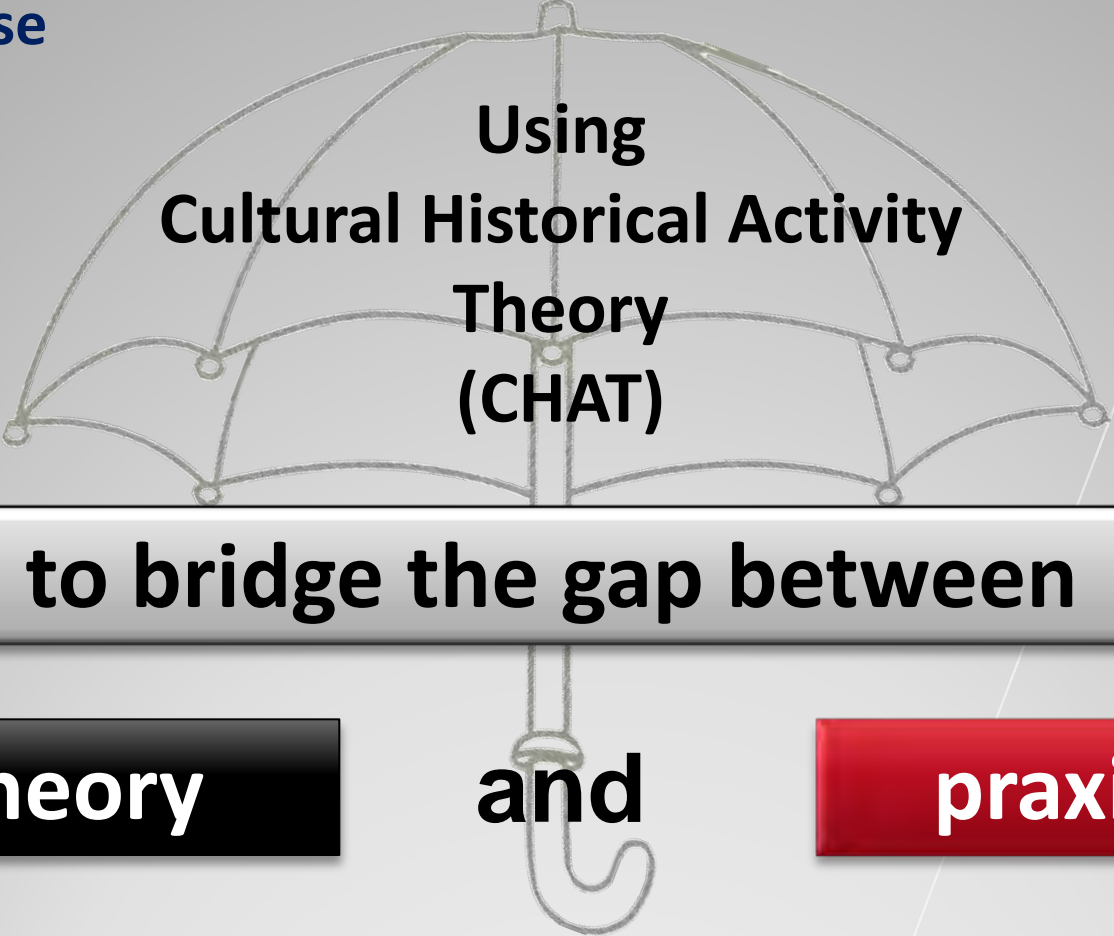


A science teaching program for primary schools

**Outcomes of the fifth activity – lesson
in which the students constructed a coil and an electromagnet**



We propose



**Using
Cultural Historical Activity
Theory
(CHAT)**

to bridge the gap between

theory

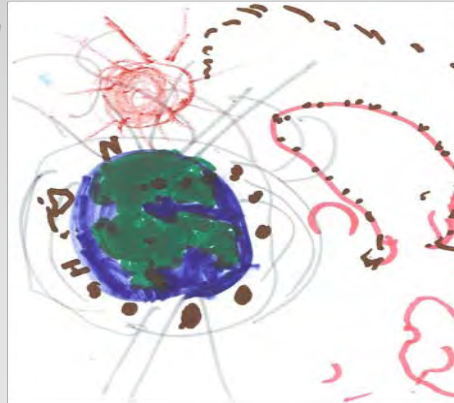
and

praxis

1.



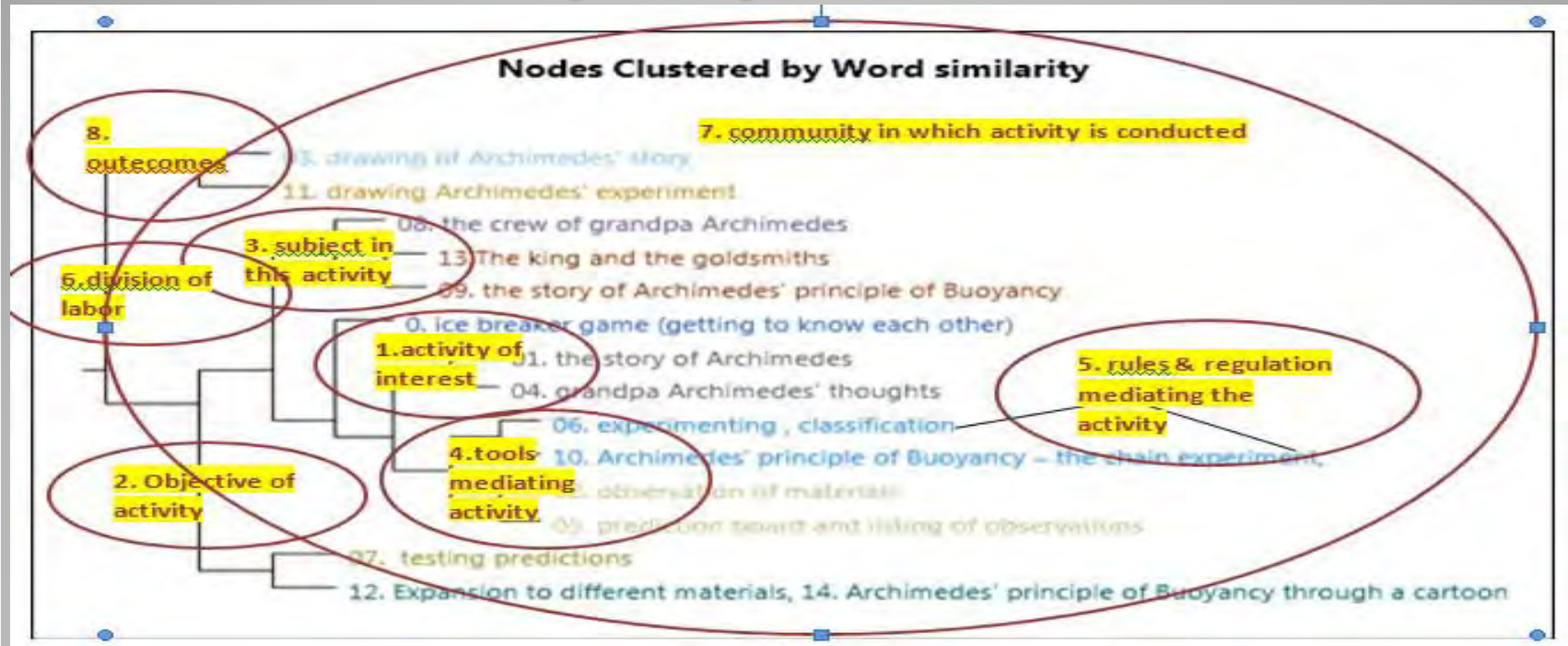
2.



PhD funded by Heraclitus program



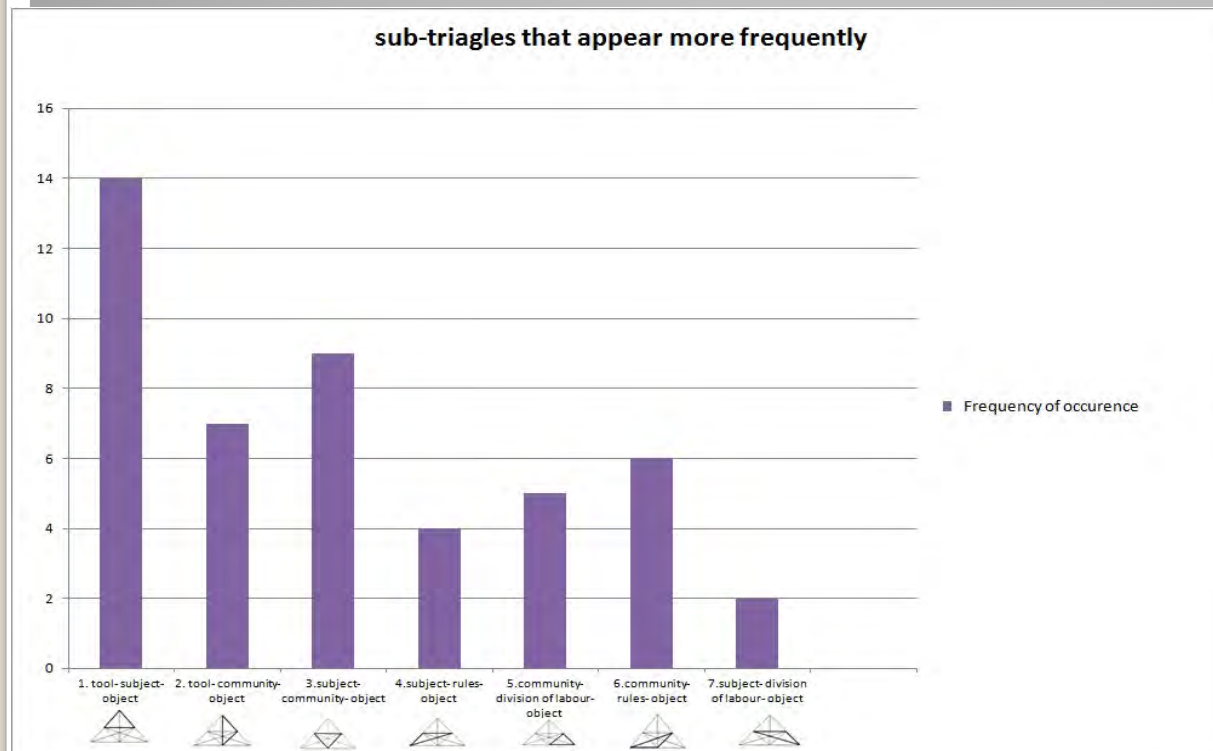
cluster analysis of the activities nodes



Nvivo 09 – Data analysis



Figure 2: Interactive systems

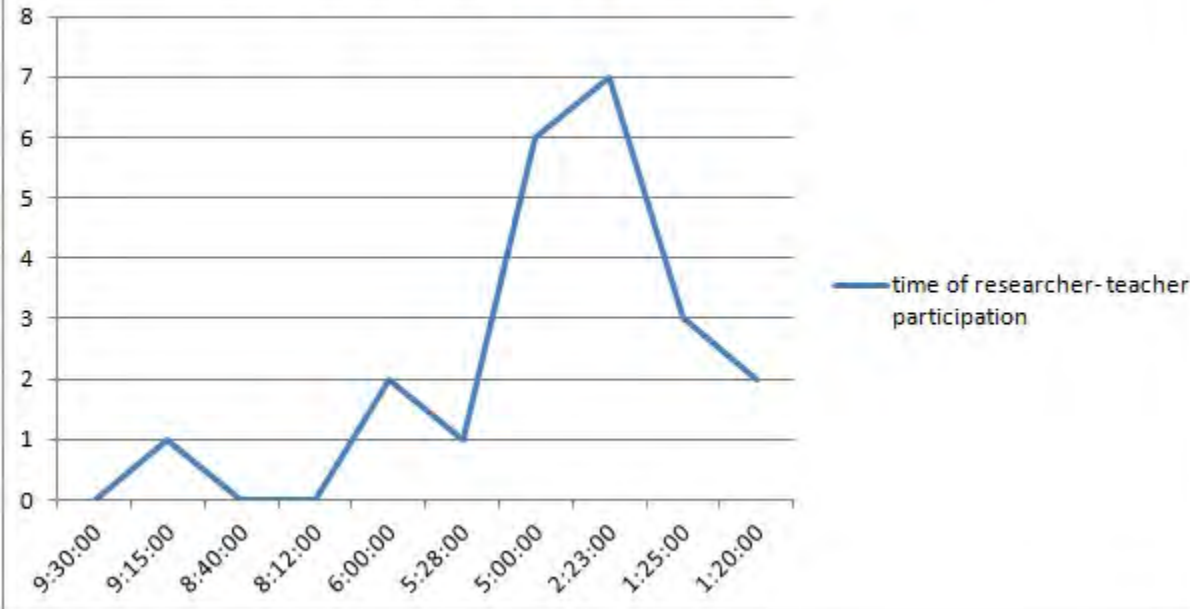


- seven frequent systems are identified, connect all factors in the triangle that lead to the outcomes of the activity (Theodoraki & Plakitsi, 2013)
- sub- triangles that are identified, connect all factors in the triangle that lead to the outcomes of the activity



Figure 3: time of teacher-researcher participation

time of researcher-teacher participation



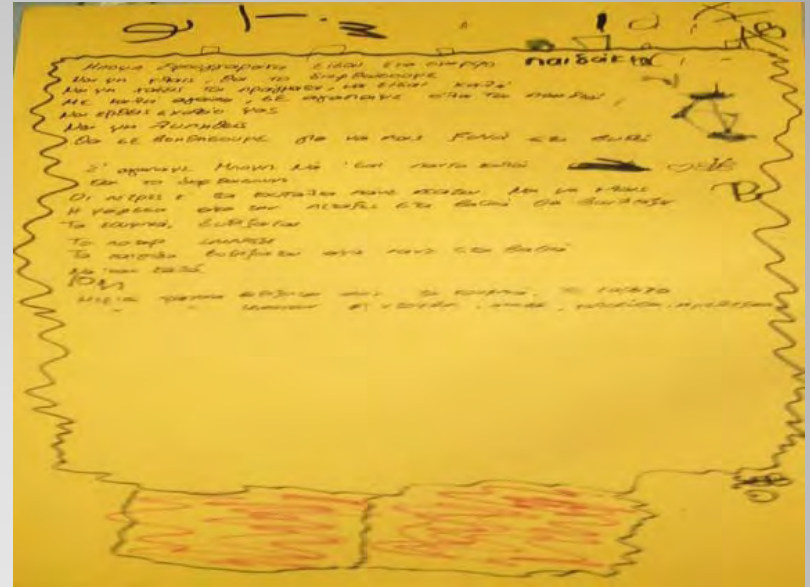
- for the first part of the sample that the researchers- teachers' intervention was reduced.
- the teacher intervened for longer than 9:00 minutes only in a video which is equal to the activity acquaintance with students and takes place during the first day of the intervention
- videos in which the researcher-teacher intervenes with time between 6:00 and 5:28 minutes in activities where storytelling



Bob Sponge Square Pants and flaoating or sinking objects



Teacher in role



Bob's mind

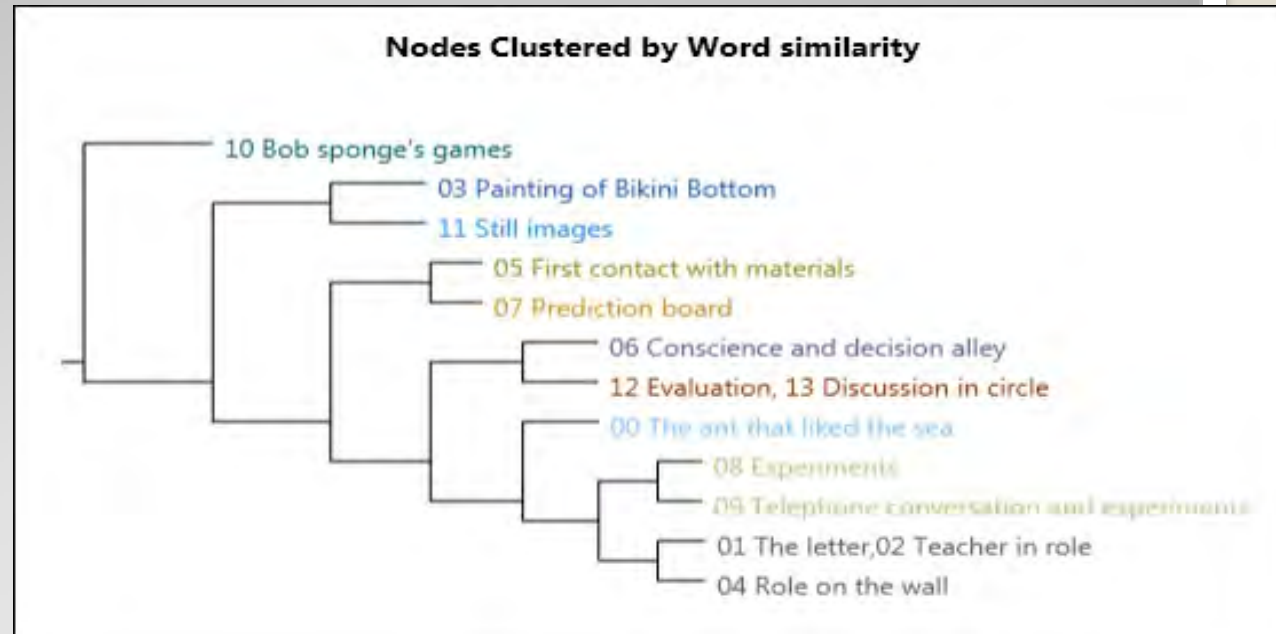


Eleni



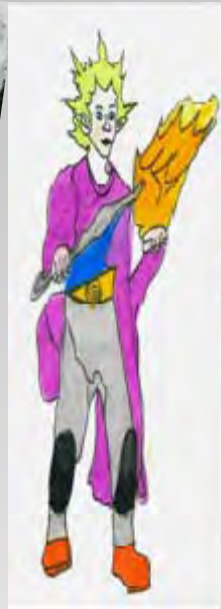
Data analysis and Results - Figure 1: cluster analysis of the activities about floating and sinking concepts

- This type of analysis shows the connections between the classroom activities and the frames of learning of the National Curriculum for Early Childhood
- activities 01, 02, 04, 08, 09 are connected with explorations and everyday-life situations ,
- activities 05, 07, 08 are organized learning activities while
- activities 00, 03, 12, 13 involve routines that pupils usually do in their school life and the activities 10, 11 are games.



Cartoons animations

Scratch 2



Color Visions from the Past

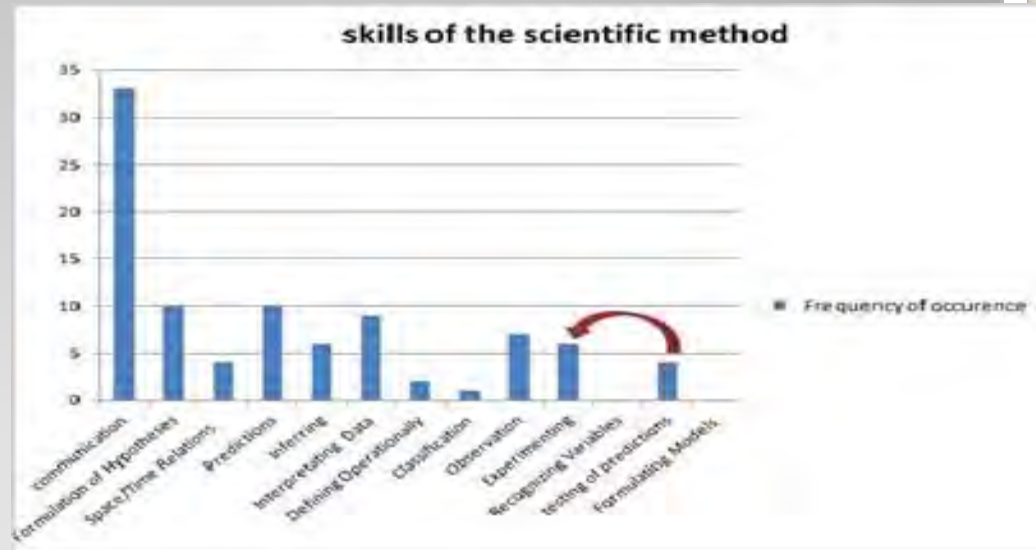
teacher/researcher/developer-@fise group

Eleni



Data analysis and Results - Figure 2: Skills of the scientific method

- Following the CHAT theoretical framework, collaboration and interaction within the activity systems entailed communication regarding the use and effectiveness of mediating tools.
- Within the CHAT framework, the analysis and interpretation of data concerns pupils' selection and use of tools, the multiple mediations that take place within the classroom activity system and the way collaboration and contradictions affect the object and make visible the invisible changes within the activity systems.



C) Teachers' training: Education Curriculum for living things

Our research

- how the theoretical framework of activity theory can be applied to group work in a distance learning program
- explain the interactions among teachers
- how the tool of Virtual Learning Environments (VLE) mediate the way teachers and groups interact and support them in communicating, discussing, co-operating, learning and sharing.



Διδασκαλία Θεμάτων των Φυσικών Επιστημών - Οι ζωντανοί οργανισμοί

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 - Καλλιέργεια σπόρων και βελόνες

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ΕΠΙΜΟΡΦΩΤΙΚΟ ΣΕΜΙΝΑΡΙΟ ΕΞ ΑΠΟΣΤΑΣΕΩΣ

Ταμείο Νέα

Εισαγωγή Νέων	17 Feb. 08:52
ΟΡΓΑΝΙΣΜΟΣ ΣΥΝΑΝΤΗΣΗΣ	17 Feb. 08:52
Εισαγωγή Νέων	8 Feb. 13:28
ΟΔΗΓΩΝΤΑΣ ΚΕΥ	8 Feb. 01:57
ΔΙΑΔΙΚΟΝΤΑΣ ΦΥΣΙΚΕΣ ΕΠΙΣΤΗΜΕΣ	8 Feb. 19:40
Εισαγωγή Νέων	3 Feb. 17:33
ΔΙΚΤΥΟ ΣΥΝΕΡΓΑΖΟΜΕΝΩΝ ΕΚΠΑΙΔΕΥΤΙΚΩΝ	

Teacher Education - A Moodle platform

Topic: Living Things



The training program by using Moodle platform

- the online course lasted one month
- was comprised of six modules covered a range of in-depth topics that are related to the teaching of living things,

1. Life around us,
2. Develop skills and attitudes about life around us,
3. Teacher and social interaction
4. Didactical teaching scenario about teaching living things.

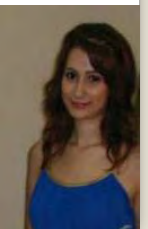
All modules

- improved the communication skills
- promoted the group work (work in groups of four to five members)
- the teachers were actively participated in many different actions
- communication in a number of ways: via email, forums, online chat, group discussion
- discussion- participation- co-operation-interaction with other groups.



3D learning: A Second Life virtual environment

Ioanna



Publications

Highlighting Books

www.lib.uoi.gr/serp

Editor in chief

Διδασκαλία Φυσικών Επιστημών Έρευνα & Πράξη

Αρχική Σχετικά Συνδεθείτε Αναζήτηση Τρέχον Τεύχος Αρχείο Τευχών Επικοινωνία

Διδασκαλία των Φυσικών Επιστημών: Έρευνα & Πράξη



Το περιοδικό απευθύνεται σε όλους τους ερευνητές, εκπαιδευτικούς, μεταπτυχιακούς και προπτυχιακούς φοιτητές που ασχολούνται με τη διδασκαλία των Φυσικών Επιστημών σε όλες τις βαθμίδες της εκπαίδευσης. Το περιοδικό (τέσσερα τεύχη ετησίως) εκδίδεται από την Ένωση για τη Διδακτική των Φυσικών Επιστημών (Ε.Δ.Φ.Ε.), που αποτελεί ένα μη κερδοσκοπικό σωματείο ένωσης επιστημόνων που ασχολούνται με τη διδακτική των Φυσικών Επιστημών. Σας καλούμε να στηρίξετε την έκδοση του περιοδικού και να συμμετάσχετε με δικά σας άρθρα στα επόμενα τεύχη.

Το Διοικητικό Συμβούλιο της Ε.Δ.Φ.Ε.

Διδασκαλία Φυσικών Επιστημών - Έρευνα & Πράξη ISSN: 1792-3168



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Περιεχόμενα Περιοδικού

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Όλα

Αναζήτηση

Σάρωση

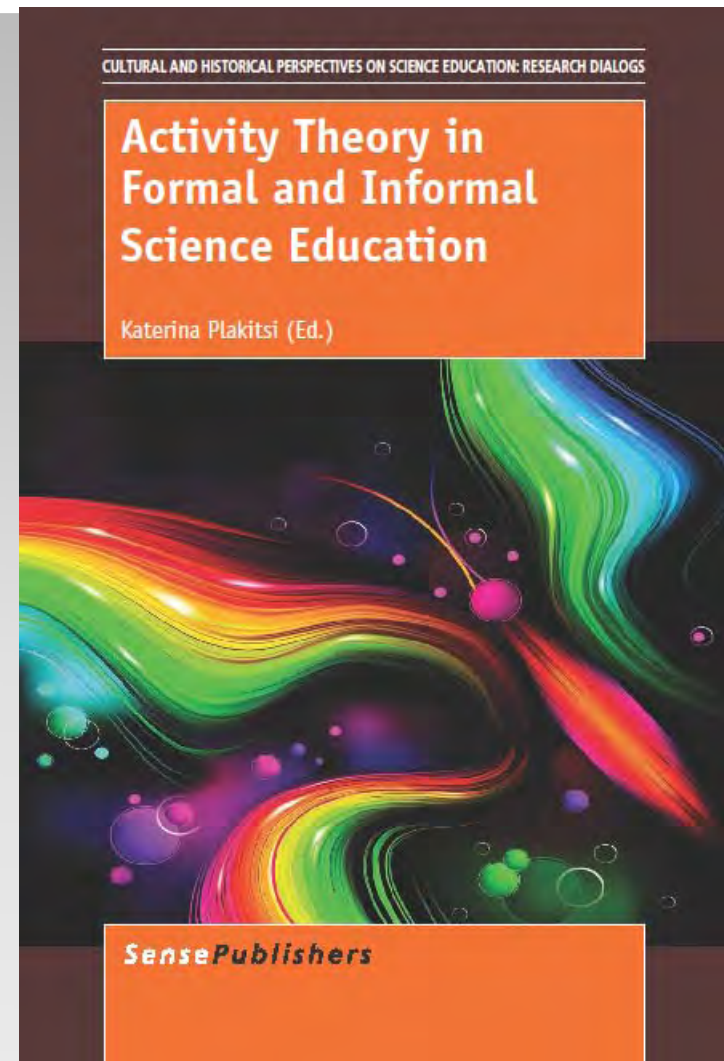
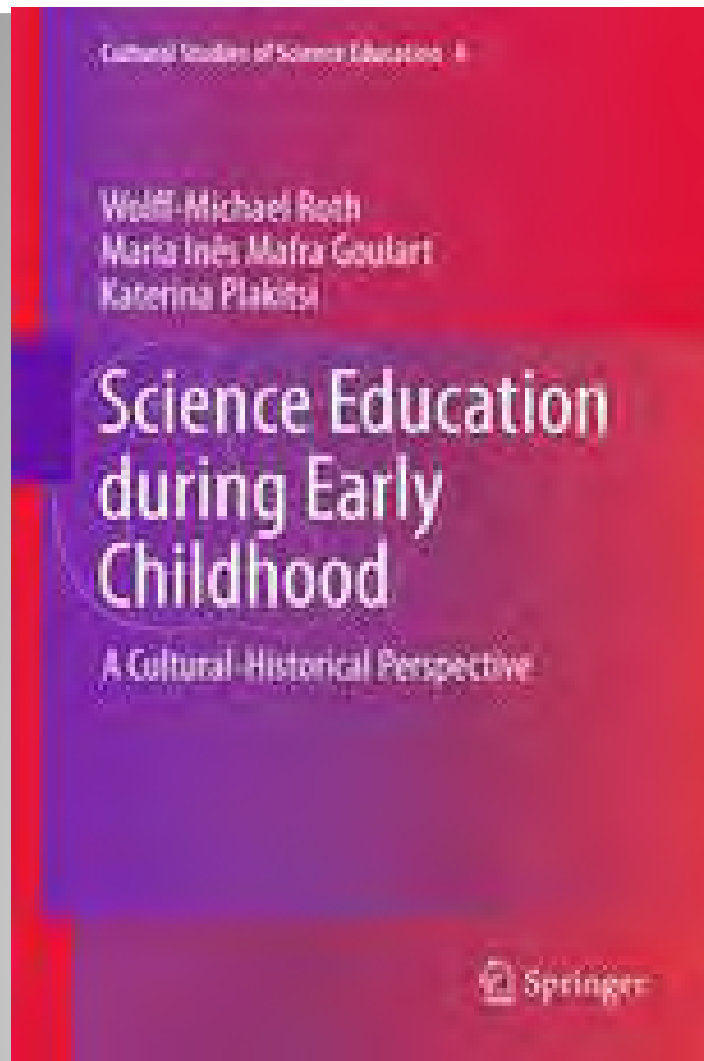
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- Κατά συννοφέα
- Κατά τίτλο

Μέγεθος Χαρακτήρων

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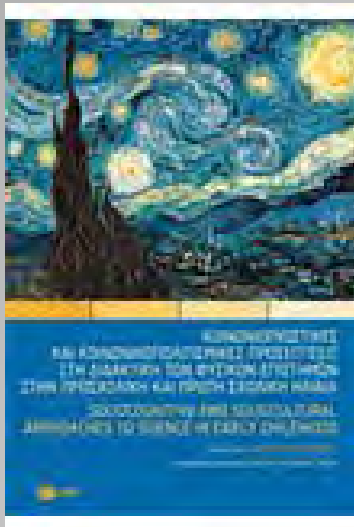


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Springer and Sense Publishers

Collective issues



**Socio-cultural
Approaches to
science
education**

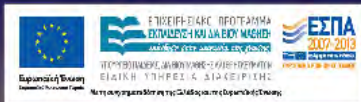


**Science
Education
in Early
Childhood**



**Museum
Education &
Science
Education**

New Greek Science Curriculum (secondary physics & primary science)



ΕΠΙΧΕΙΡΗΣΙΑΚΟ ΠΡΟΓΡΑΜΜΑ
ΕΚΠΑΙΔΕΥΣΗ ΚΑΙ ΔΙΑ ΒΙΟΥ ΜΑΘΗΣΗ
-ΝΕΟ ΣΧΟΛΕΙΟ (Σχολείο 21ου αιώνα) -
Νέο πρόγραμμα σπουδών στους Άξονες Προτεραιότητας 1,2,3 -
Οριζόντια Πράξη - με κωδικό MIS 295450 και Κωδικό ΣΑΕ
2010ΣΕ04580066



Πρόγραμμα Σπουδών ΦΥΣΙΚΗΣ Γυμνασίου για το "Νέο Σχολείο"

ΕΠΙΣΤΗΜΟΝΙΚΗ ΣΥΝΤΟΝΙΣΤΡΙΑ

Κατερίνα Πλακίτση

Επικουρη Καθηγήτρια Σχολής Επιστημών της Αγωγής
Πανεπιστήμιο Ιωαννίνων

ΕΜΠΕΡΟΓΝΩΜΟΝΕΣ

Ανδρέας Ιωάννου Κασσέτας,
Ζαχαρούλα Συμυρνάου,
Μαρία Δεβελάκη,
Μαρία Διακόνου,
Νικόλαος Κανδεράκης,
Χρήστος Φανίδης,

Εκπαιδευτικός Δευτεροβάθμιας Εκπαίδευσης
Λέκτορας τμήματος ΦΤΠ, Πανεπιστήμιο Αθηνών
Σχολικός Σύμβουλος κλάδου ΠΕ04
Εκπαιδευτικός Δευτεροβάθμιας Εκπαίδευσης
Σχολικός Σύμβουλος κλάδου ΠΕ04
Εκπαιδευτικός Δευτεροβάθμιας Εκπαίδευσης

Συνεργάστηκαν και οι εμπειρογνώμονες :

Θανάσης Ταρამόπουλος, Εκπαιδευτικός Δευτεροβάθμιας Εκπαίδευσης
Λαμπρινή Παπατοίμα, Εκπαιδευτικός Δευτεροβάθμιας Εκπαίδευσης

ΑΘΗΝΑ, 2011

Πρόγραμμα Σπουδών Φυσικών Επιστημών Δημοτικού για το «Νέο Σχολείο»

ΕΠΙΧΕΙΡΗΣΙΑΚΟ ΠΡΟΓΡΑΜΜΑ ΕΚΠΑΙΔΕΥΣΗ ΚΑΙ ΔΙΑΒΙΟΥ ΜΑΘΗΣΗ
«ΝΕΟ ΣΧΟΛΕΙΟ (Σχολείο 21ου αιώνα) - Νέο πρόγραμμα σπουδών στους Άξονες
Προτεραιότητας 1,2,3 - Οριζόντια Πράξη» με κωδικό MIS 295450
και Κωδικό ΣΑΕ 2010ΣΕ04580066.



ΑΘΗΝΑ
25/5/2011

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**1st primary class
School science textbook**



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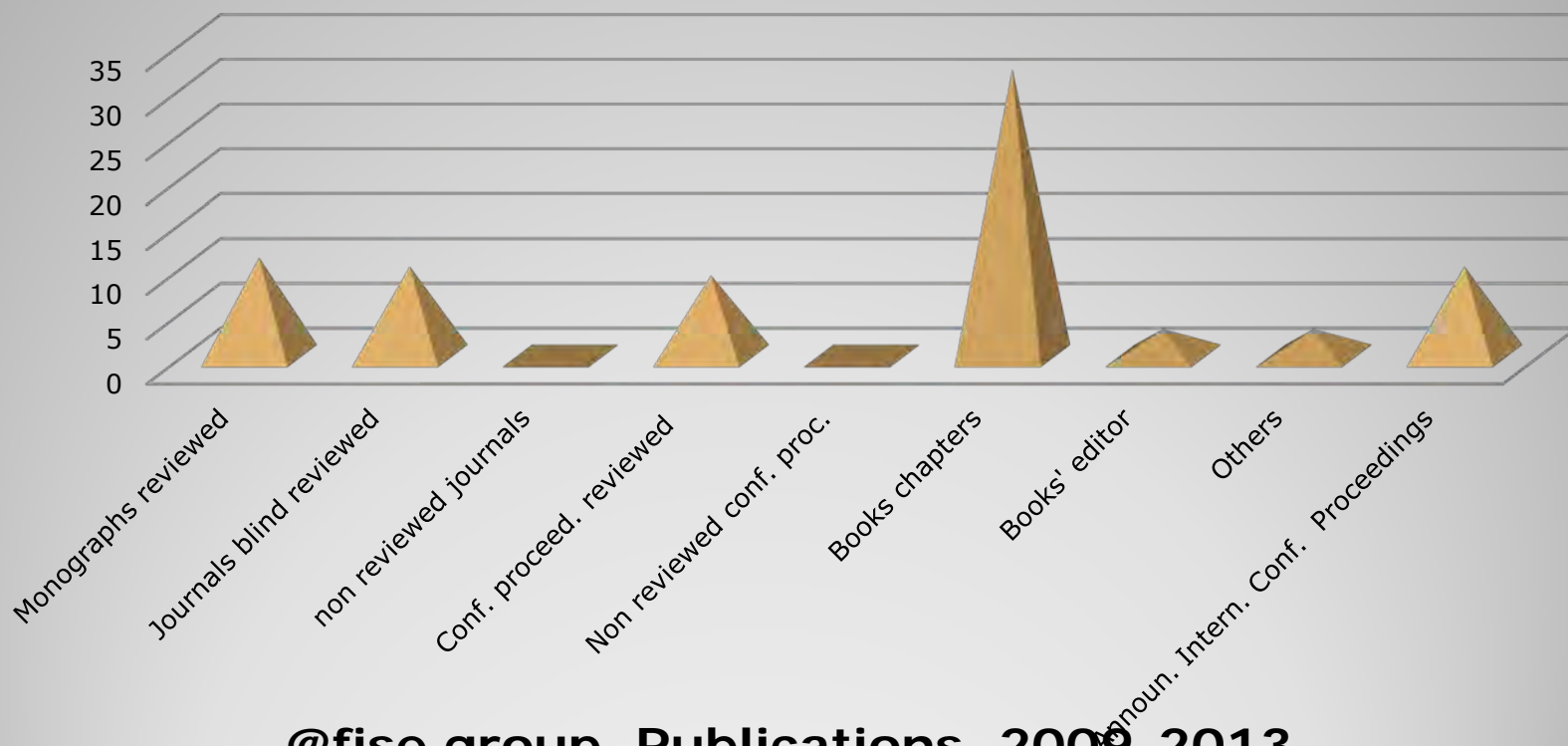
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Publications at a glance

Publications at a glance



@fise group_Publications_2009-2013

**Conferences organized
by the @fise group**

5th Pan-Hellenic Conference with International Participation of Science in Early Childhood

@fise group

ΠΑΝΕΠΙΣΤΗΜΙΟ ΙΩΑΝΝΙΝΩΝ

5^ο ΠΑΝΕΛΛΗΝΙΟ ΣΥΝΕΔΡΙΟ

Επιστήμη και Κοινωνία:

Οι Φυσικές Επιστήμες στην προσχολική εκπαίδευση



Οργάνωση:

Παιδαγωγικό Τμήμα Νηπιαγωγών

Σχολή Επιστημών Αγωγής, Πανεπιστήμιο Ιωαννίνων

7-9 Νοεμβρίου 2008
Ιωάννινα

Προσυνεδριακές/Παράλληλες Εκδηλώσεις
Φεστιβάλ Επιστήμης: 6-9 Νοεμβρίου 2008, Ιωάννινα



ΠΑΝΕΠΙΣΤΗΜΙΟ ΙΩΑΝΝΙΝΩΝ



5^ο ΠΑΝΕΛΛΗΝΙΟ ΣΥΝΕΔΡΙΟ

Επιστήμη και Κοινωνία:

Οι Φυσικές Επιστήμες στην προσχολική εκπαίδευση



Οργάνωση

Παιδαγωγικό Τμήμα Νηπιαγωγών

Σχολή Επιστημών Αγωγής

Πανεπιστήμιο Ιωαννίνων

7-9 Νοεμβρίου 2008
ΙΩΑΝΝΙΝΑ

Προσυνεδριακές/Παράλληλες Εκδηλώσεις
Φεστιβάλ Επιστημών: 6-9 Νοεμβρίου 2008 Ιωάννινα

1st Science Featival

@fise group



5th Science Education PhD School

@fise group

Greek
Union
of
Science
Education

20-22 Μαρτίου 5ο Χειμερινό Σχολείο για υποψήφιους διδάκτορες στη Διδακτική των Φυσικών Επιστημών Ε.ΔΙ.Φ.Ε.

Παιδαγωγικό Τμήμα Νηπιαγωγών
Πανεπιστημίου Ιωαννίνων

5th
Winter
School
For
PhD
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@fise group

**in science education, culture,
environment and society**

@fise group



University of Ioannina

LIGHT Erasmus Intensive Programme

30 May - 10 June 2011

Participating Countries : Greece, Italy, Cyprus, The Netherlands, Ireland, Sweden, P

Participating Universities : UNIVERSITY OF IOANNINA, GREECE
School of Education, Pre-School Education

UNIVERSITA' DEGLI STUDI DI NAPLES FEDERICO II, ITALY
Dipartimento di Scienze Fisiche

UNIVERSITY OF CYPRUS, CYPRUS
Department of Education

TECHNISCHE UNIVERSITEIT EINDHOVEN, THE NETHERLANDS
Eindhoven School of Education

ST. PATRICK'S COLLEGE (A COLLEGE OF DUBLIN CITY UNIVERSITY), IRELAND
Department of Education

LINNEAUS UNIVERSITY, SWEDEN
Department of Humanities

UNIVERSITY OF MINHO, PORTUGAL
Institute of Education

programme includes :

- ☼ science education
- ☼ environment

• **L**ocation :
University of Ioannina, Greece

• **C**oordinator :
School of Education -
Pre-School Education,
University of Ioannina, Greece

lifelong learning programme



For more, visit :

<http://erasmus-ip.uoi.gr/>



LIGHT in Science & Society

Erasmus Intensive Program
University of Ioannina

JUNE 11-JUNE 22
2012



disciplinary

Coordinator
SCHOOL OF EDUCATION,
PRE-SCHOOL OF EDUCATION
University of Ioannina, Greece

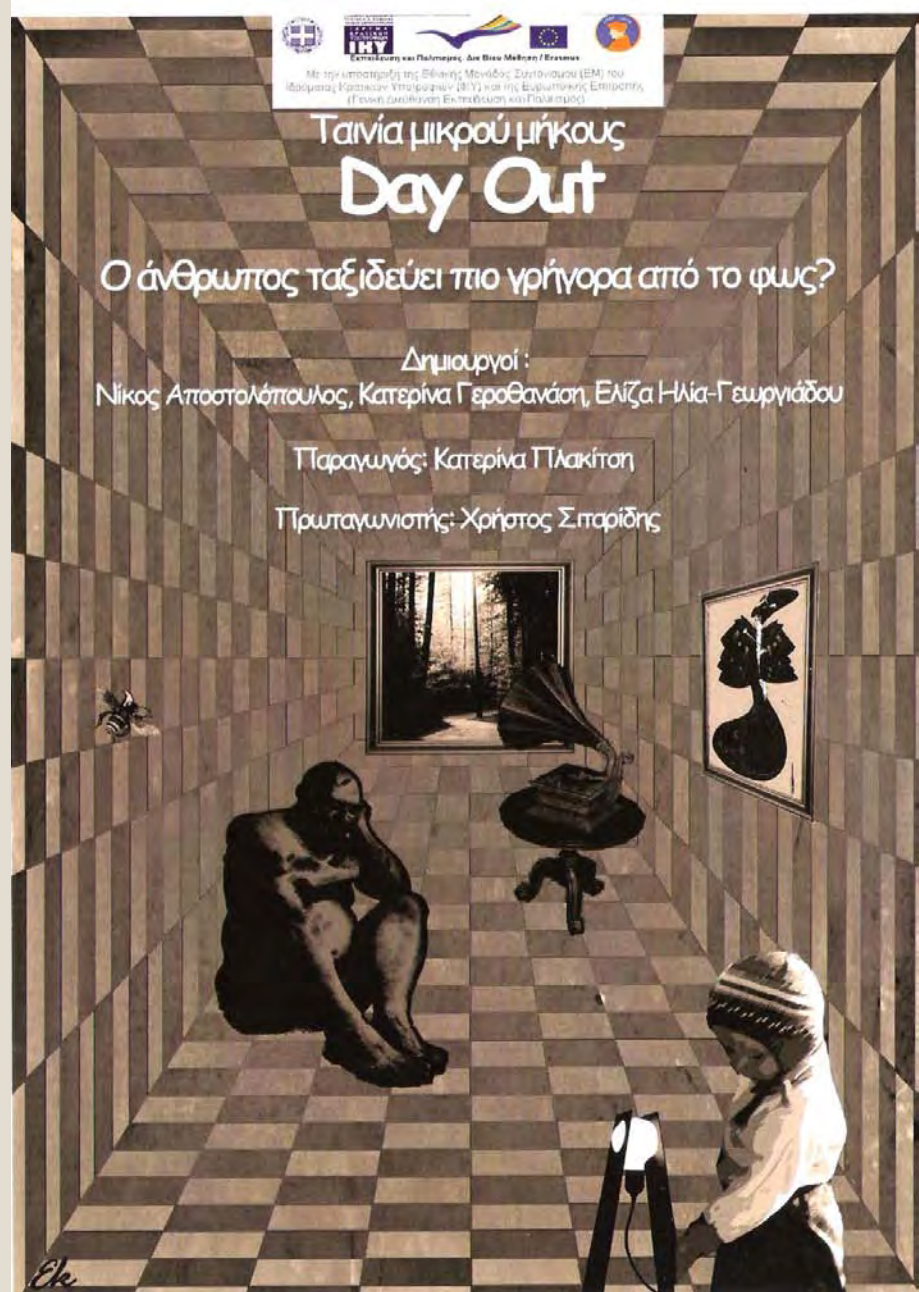


University of Ioannina

ERASMUS
STUDENT NETWORK

INTERNATIONAL EXCHANGE
ERASMUS STUDENT NETWORK

DAY OUT (Short movie) Awarded (2nd prize) in Thessaloniki short movie festival



ΠΡΟΣΚΛΗΣΗ

Στο πλαίσιο των εργασιών του Διεθνούς Θερινού Πανεπιστημίου – Εντατικού Προγράμματος ERASMUS-I.P. “LIGHT”, το Παιδαγωγικό Τμήμα Νηπιαγωγών του Πανεπιστημίου Ιωαννίνων σας προσκαλεί το **Σάββατο 19 Ιουνίου και ώρα 21:00** στην Αίθουσα Αρχιεπισκόπου Σπυρίδωνος της Ζωσιμαίας Παιδαγωγικής Ακαδημίας στην πρεμιέρα της ταινίας μικρού μήκους **“Day out”**.

Ομιλητές:

Πρύτανης Πανεπιστημίου Ιωαννίνων, Καθ. Ιωάννης Γεροθανάσης.
Κοσμήτορας της Σχολής Επιστημών Αγωγής, Καθ. Πολυξένη Παγγέ.
Πρόεδρος του Παιδαγωγικού Τμήματος Νηπιαγωγών, Καθ. Μαρία Καλδρυμίδου.
Συντονίστρια ERASMUS-IP, Επ. Καθηγήτρια Κατερίνα Πλακίτση.
Φοιτητές – Δημιουργοί της ταινίας.

* Προσέλευση έως τις 20:45’.

* Η ταινία είναι στην ελληνική γλώσσα με αγγλικούς υπότιτλους.

* Επικοινωνία: 2651005771-2651005757 <http://erasmus-ip.uoi.gr>

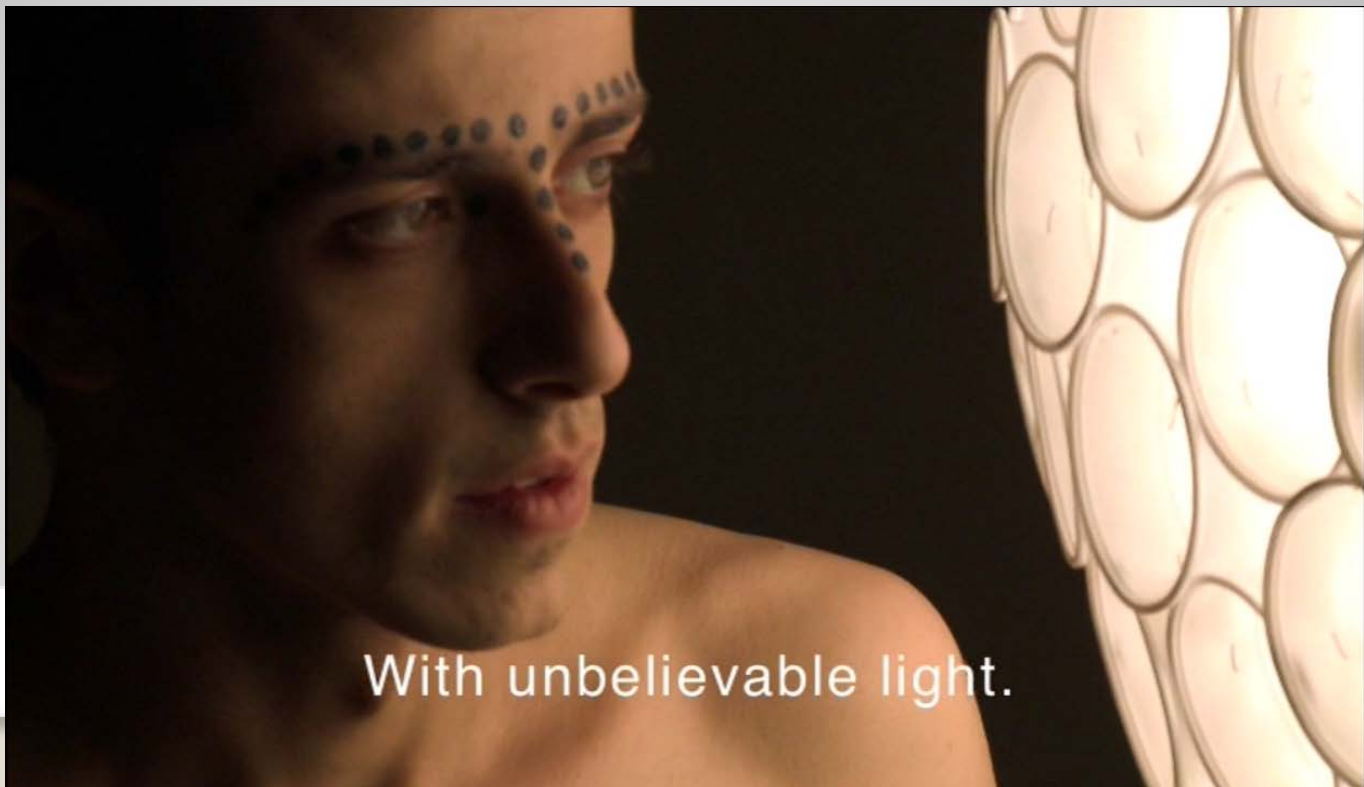
Η πρεμιέρα της ταινίας “Day Out” αφιερώνεται στα Special Olympics Athens 2011 και για την πόλη των Ιωαννίνων στην ΕΛ.Ε.Π.Α.Π. και τη ΜΕΡΙΜΝΑ.

Ευγενικοί Χορηγοί:

- Ευρωπαϊκή Επιτροπή - Ι.Κ.Υ.
- Επιτροπή Λόγου και Τέχνης, Πανεπιστήμιο Ιωαννίνων
- Ιερά Μητρόπολις Ιωαννίνων
- Τράπεζα Ηπείρου
- Εργαστήριο Νεότερης Ελλάδας και Νεοελληνικού Πολιτισμού, Παιδαγωγικό Τμήμα Νηπιαγωγών Πανεπιστημίου Ιωαννίνων
- Ξενώνας Art Deco – Καφέ Σύννεφο 9
- Βιβλιοπωλείο ΕΛΕΥΘΕΡΟΥΔΑΚΗΣ

DAY OUT (Short movie)





With unbelievable light.



Joint Workshops with Action Aid, WWF, Special Olympics AND Ioannina ELEPAP and MERIMNA

Co-operation
with NGO'S





With WWF in Vikos Gorge

**Co-operation
with NGO'S**



The Flame of Hope

•special Olympics Athens 2011

Γίνε
Εθελοντής
ΑΘΗΝΑ 2011
Πιέστε εδώ για να εγγραφείτε



Special Olympics

ΠΑΓΚΟΣΜΙΟΙ ΑΓΩΝΕΣ
ΑΘΗΝΑ 2011



CULTURAL COMMITTEE OF UOI – project FEAR

What color is cancer?

An Interactive Project for Primary Education in five stations

- 1: 'The Cell Dance', where students represent Mitosis by dancing
- 2: 'The Cell Mitos', where students describe the interactions of cells using a ball of thread
- 3: 'The Speech of Cells', where students play roles and read theatrical dialogues
- 4: 'Cells through the microscope', where students watch cells of the human body
- 5: 'Cells' Faces', where students create a collage with real pictures of skin cells
- 6: 'Cells' Fears', where students write about their fears in small pieces of paper



Cancer
Color



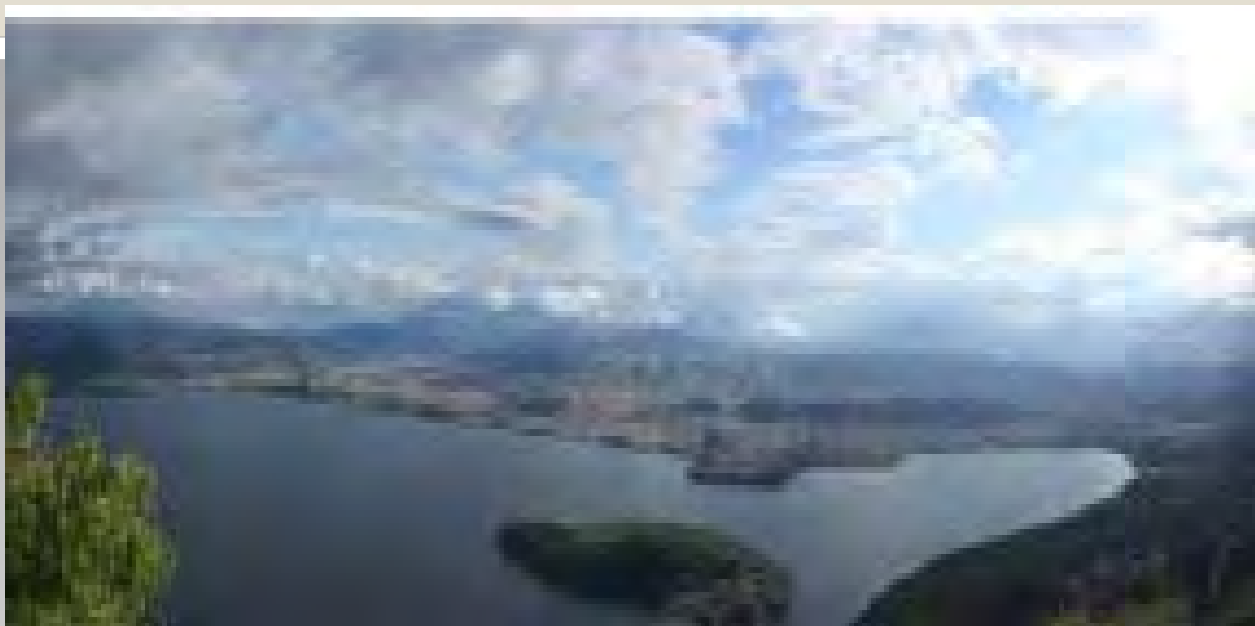
Local primary schools go to the Science Lab





The Science Lab goes to local primary schools





**@fise group
for revisiting Science Education**

Thank you for your attention

kplakits@cc.uoi.gr
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