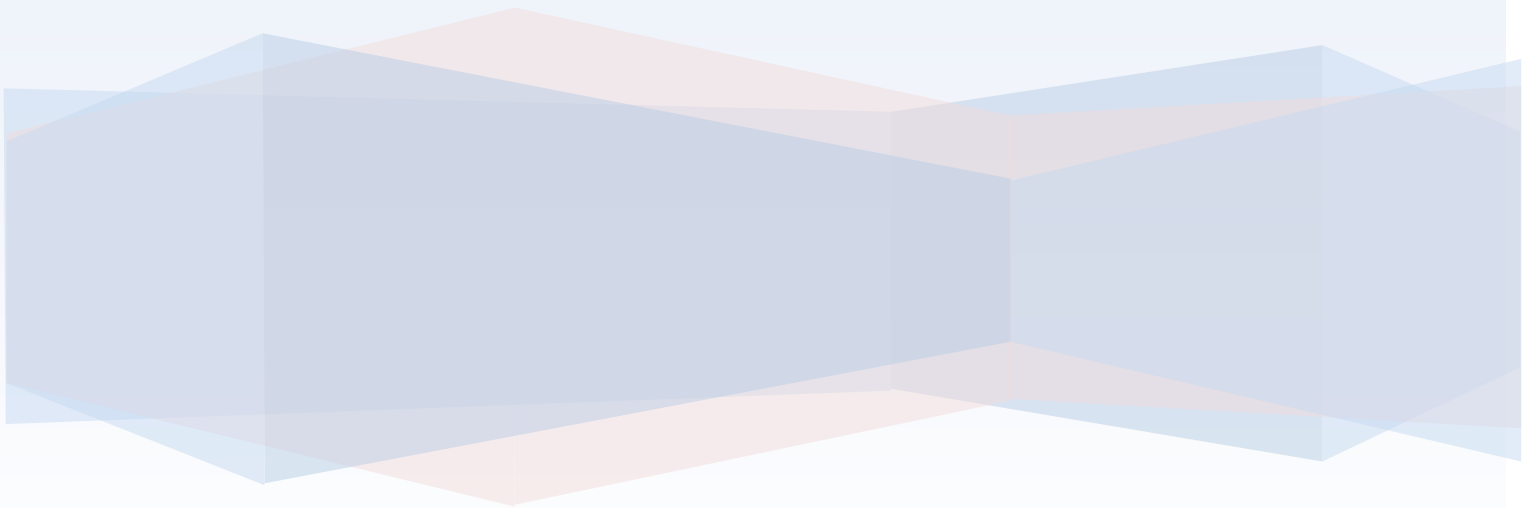


Wednesday, 13

Teacher Report

4pm-6pm



ROOM A - POSTER/TEACHER REPORT**CHAIR: PROF. DR. RODOLPHO LANGHI (UNESP/BRAZIL)**

AUTHORS	TITLE	CODE
Arthur Vinícius Resek Santiago	Use of Telescopes in the Physics class: conservation of mechanics energy	TR-A-1
Ciro Lino Bellan, Júlio A. Hernandez, Andre Assis	EDUCATIONAL KITS FOR CIRCUIT TRAINING ELECTRIC MADE WITH ACCESS AND EASY LOW COST OF MATERIALS	TR-A-2
David Gentil de Oliveira, Wellington da Silva Fonseca, Lima, Diorge de Souza, Leite, Saulo Joel Oliveira	ROBOTICS AS STRATEGY EDUCATIONAL IN SCHOOL FOR TEACHING PHYSICS	TR-A-3
Jacques Cousteau da Silva Borges	Description of project activities "Light in seven tones"	TR-A-4
MELO, W.I.F., Borges, J.C.S.	Arduino as a physics teaching tool by building and using a didactic multimeter	TR-A-5
M.G. ALVARENGA, A. C. A. BAYEUX, S. SCHUSTER, M. O. GOMES, M. P. C. A. MOURA	Travel Across the Particle Accelerator, a table game to learn Quantic Physic	TR-A-6
Francisquini, M. F. B., Tort, A. C.	The use of thermal cameras as a support in the visualization of real thermal phenomena	TR-A-7
Marilene Probst Novacoski	The ARDUINO EXPERIENCES IN PROGRAMMING IN THERMODYNAMICS AND MODERN PHYSICS	TR-A-8
Mauro Amorim, Cleidson Oliveira, Elizabeth Andrade	Development of Instructional Materials Low-Cost for Physics Teaching	TR-A-9
Otávio Fossa de Almeida, Antônio Santos, Penha Cardozo	Educational game for teaching Galilean relativity to high school students	TR-A-10
Thiago Machado da Costa, Maria de Fátima Verdeaux	Gamification as a strategy for physics education: teaching mathematical modeling of physical problems	TR-A-11
Veronez, W.M., Souza, G. B. de, Pereira, L. A. A.	Educational Robotics kits in the teaching of Thermal Physics	TR-A-12

ROOM B - POSTER/TEACHER REPORT**CHAIR: PROF. DR. NILVA SALES (UFTM, BRAZIL)**

AUTHORS	TITLE	CODE
MAGALHÃES, A. A., ROSSINI, I. C.	Science and Art: an interdisciplinary teaching sequence on the relativity theory for high school students.	TR-B-1
Ivan Fortunato, Carolina Rodrigues Cunha, Carla Nayelli	How did Freinet teach me to teach? A classroom experience report with undergraduate students	TR-B-2
Carolina Rodrigues Cunha, Júlia Amanda Nanini, Carla Nayelli Terra, Ivan Fortunato, Vicente Pereira de Barros	The History of Physics in High School Education: a teaching project report	TR-B-3
COSTA, João Paulo de Castro, MARTINS, Maria Ines	ENADE items analysis for a degree in Teaching Physics, based on The Bloom Taxonomy Revised	TR-B-4
Jones Ribeiro Soares	Introduction to literacy in science: An experience with teachers in a continuing education course	TR-B-5
Parisoto, Mara Fernanda; Alves, Cassio; Bergold, Arthur	ANALYSIS AND DEVELOPMENT OF METHODOLOGIES AND TOOLS TO REDUCE EVASION AND RETENTION RATES IN EXACT SCIENCES IN PARANÁ-BRAZIL	TR-B-6
Néryla Vayne Alves Dias, Maria Aparecida da Conceição Santos, Dienifer Posso Paulichi, Thiago Venturoso Verdam, Adilson Verdam dos Santos Junior, Ana Paula Cardoso, Kauana de Andrade, Geani Perlato da Silva	Integration of high school students and undergraduate students in Physics: the project of a Science Fair	TR-B-7
Flávia Rodrigues de Souza	The symbiosis between the Physical knowledge and the social, political, environmental and economical awareness	TR-B-8
Peron, T., Senra, Alcantara, Jardim	Mary Shelley's Frankenstein for Science Teachers	TR-B-9

ROOM C - POSTER/TEACHER REPORT**CHAIR: PROF. DR. MARTA MÁXIMO (CEFET/RJ, BRAZIL)**

AUTHORS	TITLE	CODE
Douglas Guilherme Schmidt, Wilson Roberto Barbosa de Araújo	INTUITIVE CONCEPTS ABOUT THERMAL PHYSICS IN YOUTH AND ADULT EDUCATION: AN EXPERIMENTAL TEST USING PARTICIPATORY EDUCATION FOR STUDENTS WITH DISABILITIES	TR-C-1
Biasoto, J.E., Carvalho, A.M.P.	The Thinking in Action of The Students for Resolution of Physics' Experimental Problem	TR-C-2
MARIA JOSÉ MIRANDA PIRES QUINTAS, P. SIMEÃO CARVALHO	COLLABORATIVE LEARNING OF ELECTRICITY BY IMPLEMENTING AN INTERACTIVE TEACHING	TR-C-3
MACHADO, F. ALAN; CORDEIRO, F. MAXIMILIANO; FARIAS, M. JOAO; LIMA, W. MARCELINO; ALVES, F. THALES	One class for the construction of light visible from the concepts calorimetry.	TR-C-4
Cordeiro, F. Maximiliano; Machado, F. Alan	A class on the uniform circular motion under the constructivist look	TR-C-5
Ludovico, M. M., Lopes, R. R. S.	Quantitative Analysis Methodology in Conceptual Maps as a Structuring Tool, Evaluation, and Validation off Potentially Meaningful Teaching Unit (PMTU)	TR-C-6
Patricia Takahashi Lopes	The physics of the pole vault The use of sports as a trigger has been selected, primarily, because of the upcoming Rio Olympic Games, which prompted the school to use it as a transversal theme.	TR-C-7
NASSER, P. Z. T., QUEIROZ, G. R. P. C., SILVEIRA, T. E. S., GUSMÃO, T. C.	Pedagogical Workshop as building models	TR-C-8
Renata N. Nogueira, Thiago N. Nogueira	A practical approach for improving reading skills of word problems.	TR-C-9
LOPES, R. R. S., GOMES, T. S.	Concepts Of Electricity And Its Technology Applications: a Potentially Meaningful Teaching Unit	TR-C-10
RODRIGUES-MOURA, S., RODRIGUES, A. G., BRITO, L. P.	DESIGN AND APPLICATION OF A SEQUENCE OF TEACHING-LEARNING ABOUT PARTICLE PHYSICS BASED ON DBR-TLS METHOD WITH A VIEW TO SCIENTIFIC AND TECHNOLOGICAL LITERACY	TR-C-11

ROOM D - POSTER/TEACHER REPORT**CHAIR: PROF. DR. ERIKA MOZENA (UFRGS)**

AUTHORS	TITLE	CODE
ADRIANA OLIVEIRA BERNARDES	Astronomy in Curriculum for High School Physics in the State of Rio de Janeiro	TR-D-1
Bruno Francisco Melo Pereira	The construction and use of a Virtual Learning Environment as a preparation to the Astronomical and Astronautics Brazilian Olympiad on a Secondary Class.	TR-D-2
SANTOS, Bruno R.P.; SOUZA, Glaucio;; BARBOSA, Deivid; PINHO, Lyza Kewlly; SILVA, Átila D. Cardoso	RECREATIONAL-PEDAGOGICAL PROJECT FOR THE TEACHING OF SCIENCE AND ENGINEERING IN THE BRAZILIAN AMAZON REGION (PLECE)	TR-D-3
Candida Aparecida Machado, Pedro Alberto, Maria Augusta Nascimento	THE DIGITAL BOARD AND COMPUTATIONAL SIMULATIONS FOR TEACHING AND LEARNING PHYSICS	TR-D-4
Vidor, C.B., Lima, N. W	Teaching Energy Concepts in Initial Series at Elementary School: an approach for early Physics Education	TR-D-5
Ventura, D. R., Carvalho, P. S., Dias, M. A.	Video Analysis of Pulse and Standing Waves in an Elastic Spring	TR-D-6
Diego Ricardo Sabka, Paulo Lima Junior, Alexsandro Pereira	A STS Approach Using Role Playing Game (RPG) as Teaching Resource: A Discussion of Electric Power Plants Considering the Geographical Context	TR-D-7
E. K. França, G.T. Rocha	PRACTICAL EXPERIMENTAL INTERDISCIPLINARY: CONCRETE USE OF MATERIALS AND SOFTWARE AUDACITY AND GEOGEBRA FOR WAVE PHYSICAL PARAMETERS OF UNDERSTANDING SOUND AND COEFFICIENTS OF TRIGONOMETRIC FUNCTION.	TR-D-8
MARTINS, F. A., MARTINS, Silvia	Using Facebook to discuss physics in a public high school in Brasil.	TR-D-9
Ramunno, F. A. L., Villar, R. P.	Mixing colored lights and pigments: RGB vs CMYK - a STEAM approach.	TR-D-10
Hideraldo Corbolin Guedes	THE PROPORTIONALITY RELATIONS AS ADVANCE ORGANIZERS FOR THE PHYSICS CONTENTS IN ELEMENTARY SCHOOL 9th GRADE	TR-D-11
JEFFERSON ADRIANO NEVES, IRAZIET DA CUNHA CHARRET	INVESTIGATING THE CONSTRUCTION OF FORCE CONCEPT WITH STUDENTS OF THE 9th GRADE OF ELEMENTARY SCHOOL: ANALYSIS OF A TEACHING UNIT	TR-D-12
Maria José Barata Marques de Almeida, Telma Esperança, Paulo Gordo	Development of students inquiryskills and of their teachers action reserch attitudes: sound in 8th grade	TR-D-13
Marina Pelegrini, Wilson R. B. de Araújo	Greenhouse and Ozone Layer from the perspective of radiation-matter interaction	TR-D-14