



Wednesday, July 5th

Session A. Academic papers. 11'30-13'00

Group 1.

Scientific competence 0 to 8 years

Adult intervention determines the development of science skills development
Napal, María; Vázquez Bienzobas, Lara; Zudaire Ripa, Isabel; Uriz Doray, Irantzu
Universidad Pública de Navarra

Analysis of paper records of school science activities for early childhood education
Farina, Julieta; Rassetto, María Josefa
Universidad Nacional del Comahue, Facultad de Ciencias de la Educación

Development of scientific thinking at 0-3 years of age: a systematic review
Vázquez Carrasco, Loli; Sánchez Gómez, Carla
Universitat de Manresa

First steps of engineering design in kindergarten: a case study approach
Uriz Doray, Irantzu; Garde Mendivil, Iranzu; Novo Molinero, Maite; Zudaire Ripa,
Isabel; Napal Fraile, María
Universidad Pública de Navarra

Group 2.

Inclusive Scientific Education

The Riverside Community Living Lab as an experience of inclusion through science
Navarro-Rupérez, Miryam; Lemkow-Tovias, Gabriel; Sort, Lluïsa
Umanresa

Young children's creative products in a STEAM project
Fernández Monteiro, Sabela; Picallo Díaz, Paz; Saavedra Martínez, Enrique Manuel
Universidade de Santiago de Compostela

Inclusive science education in infant school: obstacles and barriers to overcome.
Lefterov, Petar Vasilev; Cotza, Valeria; Pezzotti, Antonella; Granata, Marta
University of Milano – Bicocca

Reflections on emerging science in children between 2 and 4 years
Giordano, Enrica; Rossi, Sabrina; Testa, Marco; Onida, Monica
Universidad Milano Bicocca



Group 3.

Initial and permanent training of Early Childhood Education Science educators

Analysis of an inquiry-based sequence with Early Childhood teacher trainees
Castiñeira Rodríguez, Nuria; Cantó Doménech, José; Lorenzo Rial, María A.; Blanco Pérez, Carla; Varela Losada, Mercedes; Pérez Rodríguez, Uxío
Universitat de València

The school pond: the experience in the faculty of education and in several schools in the Basque Country
Sanz Alonso, Josu; Caño Perez, Lidia; Ibarzabal, Patxi; Rekondo, Zaine; Amundarain, Eider
Universidad del Pais Vasco UPV/EHU

The use of STEM in early childhood: what do future teachers think about it?
Cantó Doménech, José; de Pro Chereguini, Carlos; Marín Porta, Almudena; Viana Sánchez, José
Universitat de València

Session C. School Experiences. 16'15-17'45

Group 1.

Scientific competence 0 to 8 years

Experiencias sobre la flotabilidad de objetos macizos
García-Rodeja Gayoso, Isabel; Lorenzo Flores, María; Rodríguez Rouco, Estefania Vera; Sesto Varela, Vanessa
Universidade de Santiago de Compostela

¿Y si sembramos nativas? Educación Basada en Restauración en un Jardín de Infantes de Argentina
Farina, Julieta; Rassetto, María Josefa
Universidad Nacional del Comahue, Facultad de Ciencias de la Educación

Quan el problema és explicar la llum a educació infantil: Experiència d'investigació a l'Escola Montserrat
Martín-Ferrer, Laura; Garcia Carrero, Cristina; Grau Torre-Marin, Víctor
Universitat de Vic-Universitat Central de Catalunya



Mirando al cielo en educación infantil

López García, Juana; Paños, Esther; García Fernández, Beatriz; Ruiz-Gallardo, José-Reyes

Universidad de Castilla-La Mancha

Group 2.

Scientific competence 0 to 8 years

“Leaves-eating” silkworms: an experience in ECEC

Pezzotti, Antonella; Acquaviva, Debora; Lefterov, Petar Vasilev

Bambini Bicocca Srl

Pañales científicos: Una experiencia vivencial contextualizada al aula de 2 años

Marín Porta, Almudena; Ortiz Hernández, M. Lluïsa; Viana Sánchez, José; Cantó Doménech, José

Universitat de València

Els petits també fem ciència

Chiveli Bada, Dolors; Novo Molinero, Anna; Salcedo Mena, Maria Angeles
Ajuntament de Tarragona

Dues activitats Educatives referents en la didàctica de la ciència i la tècnica per a infants de 0 a 6 anys en museus.

Serra Giménez, Eudald; Font Guiteras, Esther

Parc de la Séquia

Group 3.

Scientific competence 0 to 8 years

La ciencia y el agua en la vida cotidiana de la escuela de infantil de 0-3 años.

Valdés, Núria

UManresa

El paper de la mestra al Lab 0_6

Llebaria Ferrer, Marta; Arola Castro, Anna; Fernández Mateo, Antònia; Hinojo Rojas, Anna

UManresa

Implementation of LAB06 in PYP Early Years at St Peter’s School in Barcelona

Smolenski, Krystyna

St Peter's School



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La taula de llum com a projecte transversal d'escola

Jané Lligé, Maria Rosa; Montero Calderón, Ana Maria; Galvez Rebollo, Maria Pilar;
Sebastian Noguera, Alba; Martínez Rubio, Ester; Folk Riba, Sandra; Mas Cleries...
Escola Andersen

Group 4.

Inclusive Scientific Education + Initial and permanent training of ECE Science educators

Estudio sobre el impacto de la transferencia en actividades de ciencia con niñas y niños de origen magrebí y sus familias

Rachdi Errachdi, Mounia

CSF NANA / Umanresa?

Implementing the powerful ideas of computer science through culturally relevant pedagogy in the early classroom

Thompson, Hannah Rae; Caudle, Lori Allison; Harper, Frances K.; Quinn, Margaret
Ferguson; Partnership, The CRRAFT

University of Tennessee, Knoxville

Constructing an educational curriculum on inclusive science education

Biesmans, Annick; Rosiers, Marleen; Laenen, Inge; Malisse, Bram

Erasmus Brussels University of Applied Sciences and Arts

Rediseño de la actividad de la caja negra realizado por futuros docentes de educación infantil

Álvarez-Herrero, Juan-Francisco; Valls-Bautista, Cristina

Universidad de Alicante



Thursday, July 6th

Session D. Academic papers. 9'00-10'30

Group 1.

Responding to 2030 challenges + Inclusive Scientific Education

My first Green Museum. A taxonomical proposal of nonfiction picturebooks on Botany
Portalés Raga, Matilde; Sendra Mocholí, Cristina; Mínguez López, Xavier
Universitat de València

Teachers Facing the Challenges of the 21st Century: The Role of Socio-environmental
Issues

Nieto-Ramos, Marina; Rodríguez-Marín, Fátima; Puig Gutiérrez, María
Universidad de Sevilla

Child participation in science learning helps 3-4 year olds to encode relations between
everyday entities

Hristova, Penka Yordanova; Koltcheva, Nadia; Mateeva, Antoaneta; Ivanova-
Schindarska, Tsvetina; Mikova, Emilia
New Bulgarian University

Professional development research in childhood for the inclusiveness of school
contexts

Cotza, Valeria; Porcheddu, Alessandro; Vimercati, Simonetta; Zecca, Luisa
University of Milano-Bicocca

Group 2.

Initial and permanent training of Early Childhood Education Science educators

How do prospective teachers approach an interview to find out the ideas of children's
learners?

De Pro Chereguini, Carlos; Robles Moral, Francisco Javier; Cantó Doménech, José
Universidad de Murcia

Impact of teachers' emotions on the teaching planning of the scientific areas in
childhood education

Praderio, Florencia Natalia; Furman, Melina G.; Costillo, Emilio; Ayuso Fernández,
Enrique G.

CENTRO UNIVERSITARIO ISEN



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Los profesores de primera infancia en comunidades de formación
Tuay Sigua, Rosa Nidia; Giordano, Enrica; Valencia Valbuena, Fredy Gregorio
Universidad Pedagógica Nacional

Perspectives in science education: Educators' perceptions and professional
development experiences
Grist, Cathy Lauren; Quesada-Pallarès, Carla; Lemkow, Gabriel; Haldon, Jessica; Caudle,
Lori; Thompson, Hannah; Watson, Myra
Western Carolina University

Session E. Posters 12'00-13'00

Inclusive science education in the early years
Darvay, Sarolta; Nyitrai, Agnes
J. Selye University Faculty of Education

Creation of digital stories with Early Childhood Preservice Teachers in order to explore
the natural environment
Fabre Mitjans, Noëlle; Calafell Subirà, Genina; Entrena Ortega, Sandra
Universtitat de Barcelona

Plant awareness: drawing to learn about plant anatomy, development, and diversity.
Eugenio-Gozalbo, Marcia; Ortega-Cubero, Inés
Universidad de Valladolid

Science Week a formative proposal for future early childhood teachers
Vega Agapito, M^a Victoria; López Luengo, M^a Antonia; Bautista Puente, Nuria
Universidad de Valladolid

Connecting school to university through the assessment of degree students
López-Luengo, María Antonia; Galindo, Sara; Vega Agapito, María Victoria
Universidad de Valladolid

Ten years of science workshops: a university-school experience
Sanz Alonso, Josu; Otaegi Garmendia, Oihane; Eleta Lopez, Aitziber; Sistiaga Poveda,
Maialen
Universidad del Pais Vasco UPV/EHU

El Niu Volant, ciències naturals del Museu a l'escola bressol
Olmeda Jato, Montse; Boix Garcia-Cairó, Greta; Ballester, Montse
Museu de Ciències Naturals de Barcelona / Nusos Cooperativa



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Science education in Early Childhood Teacher Education: initial student's social representations

Calafell Subirà, Genina; Fabre Mitjans, Noelle; Esparza Pagès, Mireia
Universitat de Barcelona

What do Early Childhood trainee teachers think of a science subject? A preliminary study.

Tierno, Sandra Pilar; Pina, Tatiana; Esteve, Anna R.
Universitat de València

TecnoLAB. Technology on wheels

Sabido-Codina, Judit; Pedreira, Montserrat; Lemkow-Tovias, Gabriel; Vázquez-Carrasco, Loli; Sandoval, Cristina
Umanresa

Session F1. Workshops (simultaneous sessions) 14'30-15'45

¿Dónde estáis matemáticas? El desarrollo de las matemáticas intuitivas e informales de los 0 a los 3 años.

Olmos Martinez, Glòria
Escoles Bressol Municipals de Vic

Hacer y no hacer... en ciencia desde el nuevo currículum. Esa es la cuestión.

Marín Porta, Almudena; Viana Sánchez, José; Ortiz Hernández, M. Lluïsa; de Pro Chereguini, Carlos; Cantó Doménech, José
Universitat de València

Integrating computational thinking into young children's daily educational experiences: Insights from a U.S. robotics program

Cadle, Lori Allison; Thompson, Hannah Rae; Quinn, Margaret Ferguson; Harper, Frances K; Partnership, The CRRAFT
The University of Tennessee

Discovering insects' beauty through drawing

Ortega Cubero, Inés; Eugenio Gozalbo, Marcia
Universidad de Valladolid



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Session F2. Workshops (simultaneous sessions) 16'15-17'30

Els materials de la natura: font inesgotable de propostes de ciència inclusiva

Olmeda Jato, Montse; Boix Garcia-Cairó, Greta

Museu de Ciències Naturals de Barcelona / Nusos Cooperativa

Temps de canvi: Conversant amb la pluja.

Gual Oliva, Marta; Dalmau Portulas, Fàtima; Mulà Pons de Vall, Ingrid

Universitat de Girona

Re educa: un laboratorio de ideas

Mas Parera, Maite; Martin, Almudena

Re Educa /Universitat Autònoma de Barcelona

Plantas, mis queridas amigas: Talleres para indagar en educación infantil

Trompeta Carpintero, Antonia

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Friday, July 7th

Session G. Roundtables. 9'30-11'00

Before, during, and after: Field trips as meaningful connections to science learning

Watson, Myra Keener; Grist, Cathy Lauren

Western Carolina University

Science education from 0 to three years old: challenges and questions from the alliance between educational agents.

Canelo Calle, Jesús; Calafell Subirà, Genina; Banqué Martínez, Neus

Blanquerna - Universitat Ramon Llull

Learning and Discovery in contexts of diversity: Opportunities, barriers and teachers' competences

Lemkow, Gabriel; Janoska, Franz

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