

# Nofa 7 – Stockholm 2019

## Monday May 13th

8.00-9.00 **REGISTRATION**, Room: Aula Magna  
9.00 **OPENING**, Room: Aula Magna  
9.30-10.30 **Keynote 1** Peter Davies, Room: Aula Magna

**10.30-11.00 COFFEE BREAK and REGISTRATION**

### **11.00-12.30 SESSION 1**

**1A Symposium 36** *Teaching with visual illustrations – research in various subjects*  
Astrid Berg, Kristina Danielsson, Inger Eriksson, Magnus Hultén, Alma Jahic Petterson, Carl-Johan Rundgren, Lena Tibell, Ann-Sofie Jägerskog, Peter Davies & Cecilia Lundholm

Chair: Kristina Danielsson  
Room: Spelbomskan  
Host: Veronica Jatko-Kraft

#### **1B Paper session: Education For Sustainability**

#4 Climate science curriculum design in cooperation with business and engineering education – an example from Danish lower secondary school  
Anette Grunwald,

#23 Contributions from three secondary school subject areas to environmental and sustainability teaching  
Per Sund, Niklas Gericke & Gabriel Bladh.

#78 Didaktik för naturvetenskap och hållbar utveckling - Fem former av demokratiskt deltagande  
Iann Lundegård & Cecilia Caiman

Chair: Iann Lundegård  
Room: Mimer  
Host: Julia Fries

**1C Symposium 115** *Quality in subject-specific teaching: Exploring how to conceptualize, improve and compare the quality of teaching Mathematics, Language arts/L1 and Social Science*

Nikolaj Elf, Thomas Illum Hansen, Morten Misfeldt, Claus Michelsen & Anders Stig Christensen

Chair: Nikolaj Elf  
Discussant: Christina Olin-Scheller  
Room: Polstjärnan  
Host: Henning Bengtsson

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## **1D Symposium 1** *Content knowledge and general teacher competency*

Kåre Fuglseth, Arto Kallioniemi, Lars Pharo, Regine Strøm, Ellen Sæthre-McGuirk & Hallvard Kjelen

Chair: Arto Kallioniemi

Room: Bergsmannen

Host: Josefin Nilsson

## **1E Symposium 13** *Designing content analysis of learning materials and classroom communication*

Bettina Buch, Jöran Petersson, Marie Falkesgaard Slot & Rune Hansen

Chair: Bettina Buch

Room: Kungstenen

Host: Kristin Persson

## **1F Paper Session** *Social Studies in Primary Schools*

#7 Social studies in primary school: Communicating values or teaching substantive knowledge?

Anna-Lena Lilliestam

#63 Discussing opinions or critically assessing arguments? Conflicting activities in primary school civics teaching about judicial justice

Malin Tväråna

#123 Teachers' subject didactical emphases when integrating social studies in primary education

Nina Enkvist

Chair: Malin Tväråna

Room: Wallenbergsalen

Host: Mattias Björklund

## **1G Symposium 67** *Powerful knowledge and its relevance to subject matter didactics: Limits and possibilities for developing theories on the level of re-contextualisation.*

Kenneth Nordgren, Lotta Dessen Jankell, Johan Sandahl, David Örbring & Martin Stolare

Chair: Kenneth Nordgren

Room: Reinholdsalen

Host: Kerstin Grenö

**12.30 – 13.30 LUNCH**

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## 13.30-15.00 SESSION 2

### **2A Symposium 114** *Subject-specific language and literacy*

Angela Marx Åberg, Ewa Bergh Nestlog, Kristina Danielsson, Niklas Ammert & Pia Visén

NB! The symposium will be held in Swedish.

Chair: Angela Marx Åberg

Discussant: Yvonne Hallesson

Room: Spelbomskan

Host: Anna-Maija Norberg

### **2B Paper session** *Science didactics*

#56 Embodied electronegativity: A design-based study on creative drama in chemistry education

Kerstin Danckwardt-Lillieström, Maria Andrée and Margareta Enghag

#121 Taking notes with peers in the context of primary school environmental studies

Sara Routarinne & Riitta Juvonen

#129 Establishing epistemic practices in students' formulation of scientifically researchable questions in upper secondary science education

Sebastian Andersson, Malin Lavett Lagerström, Jonna Wiblom, Maria Andrée, Per-Olof Freerks, Sofia Jahdadic, Johanna Lundström, Johanna da Luz, Johan Nordling, Sara Puck, Josefin Reimark, Per Wennerström & Fredrik Westman

Chair: Maria Andrée

Room: Mimer

Host: Kristin Persson

### **2C Symposium 17** *The meaning of knowing how to analyse complex societal issues in Social Studies*

Max Strandberg, Malin Tväråna, Ann-Sofie Jägerskog, Mattias Björklund, Bodil Kåks, Anita Dalman, Eva Malmqvist, Lena Olin, Jan Norevik & Linda Karlander

Chair: Max Strandberg

Discussant: Maria Olson

Room: Polstjärnan

Host: Henning Bengtsson

### **2D Symposium 38** *Statistical literacy in classroom and curriculum under the lens*

Jöran Petersson, Marte Bråtalien, Karin Kihlblom Landtblom & Runa Haglund

Chair: Jöran Petersson

Room: Bergsmannen

Host: Daniel Lindblom

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## **2E Paper session** *Teaching quality*

#59 Quality Indicators for Social Science Teaching in Nordic classrooms  
Torben Spanget Christensen, Anders Stig Christensen, Pia H Mikander, Martin Kristiansson and Michael Walkert

#62 What about the infrastructure for planning and evaluating teaching? A quantitative perspective on the conditions for teaching, learning and professional learning communities  
Kenneth Nordgren, Martin Kristiansson & Yvonne Liljekvist

#113 Images of the desired teacher  
Lisa Österling & Iben Christiansen

Chair: Iben Christiansen

Room: Kungstenen

Host: Jenny Fred

## **2G Paper session** *Assessment in teacher education*

#83 Monologic, dialogic and triologic conversations in teacher education practicum  
Lotta Jons

#118 The Assessment of Knowledge in Biology in Higher Education  
Veronica Flodin & Jessica Slove Davidson

#139 Learning Trajectory Based Instruction – Plea for a Visible Progression in Teaching and Assessment of Historical Thinking  
Per-Arne Karlsson

#99 Factors influencing Finnish teachers' linguistically responsive practices  
Jenni Alisaari, Leena Maria Heikkola & Nancy Commins

Chair: Veronica Flodin

Room: Reinholdsalen

Host: Veronica Jatko-Kraft

**15.00-15.30 COFFEE BREAK**

# Nofa 7 – Stockholm 2019

## 15.30-16.00 POSTER SESSION A

### Room: Galleriet (in Aula Magna)

- #8 Anna-Lena Lilliestam: *History in primary school: both canonical and dependent of context*
- #33 Helga Harnes: *Inquiry-based teaching with historical primary sources*
- #64 Martin Karlsson: *Folk mord, film och historieundervisning*
- #75 Johan Hansson: *Undervisning om Sveriges nationella minoriteter*
- #76 Eva Ahlskog-Björkman & Mårten Björkgren: *Holistic understanding of peace in Early Childhood Education*
- #134 Linda Öhlund: *Tre lärarutbildares erfarenheter av att återvända till fältet*

**16.00-17.00 Keynote 2** Luis Radford, Room: Aula Magna

**18.30 - Reception at the Stockholm City Hall**

# Nofa 7 – Stockholm 2019

Tuesday May 14<sup>th</sup>

## 8.30-10.30 SESSION 3

**3A Symposium 110** *Troubles and hopes: Encountering Subject Matter Didactics and Post-theoretical Approaches*

Simon Ceder, Auli Arvola Orlander, Sara Planting Bergloo, Marie Hållander, Karin Gunnarsson & Lisa Öhman

Chair: Karin Gunnarsson

Room: Spelbomskan

Host: Malin Lavett Lagerström

### **3B Paper session** *Social Studies Didactics*

#41 Controversial issues in social studies education. The case of Sweden  
Lars Larsson

#105 Dilemmas and discourses in teaching Civics  
Evelina Möllenborg

#131 Drumming up support for radical and rapid curriculum change in Norway.  
A case study of two Official Norwegian Reports, a Government White Paper,  
and statements from experts and politicians  
Roar Madsen

Chair: Lars Larsson

Room: Mimer

Host: Ann-Sofie Jägerskog

### **3C Paper session** *Mathematics: Content & students*

#10 Year 5 students' views on computer programming in compulsory school  
Gashawa Mohsin, Eva Norén, Jalal Nouri and Lechen Zhang

#44 Code as a technical solution: how can teaching support primary school  
students in developing a ability to evaluate the functionality of a program?  
Per Anderhag, Birgit Fahrman, Maria Weiland, Annika Lundholm-Bergström,  
Madeleine Björn, Sophie Odén and Tove Wållberg

#55 Enabling students' participation in algebraic reasoning with 'learning  
models' as tools for theoretical work  
Inger Eriksson, Jenny Fred, Anna-Karin Nordin, Martin Nyman & Sanna  
Wettergren

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#79 Is there nothing new in the discussion about problem solving?

Anette de Ron

Chair: Jöran Petersson

Room: Polstjärnan

Host: Helena Eriksson

## **3D Symposium 138** *On the weakness of social sciences teaching and its reconciling didactical power*

Maria Olson, Anders Persson, Maria Deldén, Gull Törnégren, Anna Henriksson Persson & Sören Högberg

Chair: Maria Olson

Room: Bergsmannen

Host: Malin Tväråna

## **3E Paper session** *History didactics*

#6 The local area and "the bigger picture" in history teaching  
Jens Aage Poulsen.

#12 Intercultural historical learning through inquiry-based teaching with archaeological artefacts in primary school  
Patrik Johansson

#81 Student vs subject matter – a design theoretical perspective on learning in history teaching  
Heidi Eskelund Knudsen

#97 Social perspective taking and moral reflection [judgment] in lower secondary school students' responses to historical moral dilemmas: observations from a Swedish-Finnish survey study  
Niklas Ammert, Jan Löfström, Silvia Edling & Heather Sharp

Chair: Patrik Johansson

Room: Kungstenen

Host: Patrik Johansson

## **3F Symposium 122** *Drama in Education for Sustainability - Didactic Dimensions*

Julia Fries, Eva Österlind, Pernilla Andersson, Ulrika von Schantz, Anna Lehtonen, Heli Altonen, Panu Pihkala and David Fopp

+ **paper** #77 Performance art as a glocalising strategy  
Tony Wall

Chair: Eva Österlind

Discussant: Madonna Stinson

Room: Wallenbergsalen

Host: Kerstin Grenö

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**3G Symposium 52** *Powerful Knowledge, Epistemic Quality and Transformations, Part I: Towards a progressive future school scenario in disciplines and subjects*

Sirpa Tani, Lauren Hammond, Lise Iversen Kulbrandstad & Birgitta Ljung Egeland, Mary Richardson & Arthur Chapman, Gabriel Bladh, Niklas Gericke, Kalle Juuti, Eero Salmenkivi, Per Sund

Chair: Sirpa Tani

Discussant: Kenneth Nordgren

Room: Reinholdsalen

Host: Cecilia Eskilsson

**10.30-11.00 COFFEE BREAK**

**11.00-12.00 Keynote 3** Mary J. Schleppegrell, Room: Aula Magna

**12.00-13.00 LUNCH**

## **13.00-13.30 POSTER SESSION B**

**Room: Galleriet (in Aula Magna)**

- #29 Katharina Propst: *The relation of political science and the didactics of civic education within university teacher training in Civic Education / Social Studies. A comparison of the conceivabilities for the political teacher training program in Germany, Denmark and Sweden*
- #60 Ann-Catherine Henriksson: *Environmental education in early childhood education settings*
- #68 ~~Cancelled: Anette Resare Jansson: *Using tasks to support language development in multilingual classrooms*~~
- #73 Charlotte F. Reusch: *Expected Talk and Speak in the Middle School Science Classroom*
- #85 Lotta Jons: *The supportive character of teacher education triadic conferences: detailing the formative feedback conveyed*
- #117 Mimmi Norgren-Hansson: *The ethical perspective on value-based work care ethics as an analytical opportunity?*



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## 13.30-15.00 SESSION 4

### 4A Paper session *Assessment*

#16 Student communication during collaborative writing of narratives in the second year of a Swedish compulsory school – A study in the context of the Swedish curriculum

Karin Bybro

#58 Use of feedback practices at language classes in Finnish upper secondary schools

Toni Mäkipää

#95 Complexity in children's texts in year five

Johanna Salomonsson

Chair: Johanna Salomonsson

Room: Spelbomskan

Host: Sara Planting-Bergloo

### 4B Symposium 50 *Finding teaching strategies to develop students' critical thinking skills*

Rikke Alberg Peters, Hildegunn Juulsgaard Johannesen, Jens Pietras and Sven Gerken

Chair: Rikke Alberg Peters

Room: Mimer

Host: Kristian Niemi

### 4C Paper session *Social Studies Didactics*

#19 Between the Life World and Academia: Defining Political Issues in Social Science Education

Nora E. H. Mathé & Johan Sandahl

#135 The political dimension in citizenship education: the construction of a political moment model for analyzing bodily anchored political emotions in teaching and learning of the political dimension

Michael Håkansson & Leif Östman

#26 Opening the Echo Chamber: The Role of Perspective Taking in Political Education

Johan Sandahl

Chair: Johan Sandahl

Room: Polstjärnan

Host: Maria Weiland

### 4D Paper session *Teacher Education*

#74 Lärarutbildning genom parallellprocesser kring samhällsfrågor med naturvetenskapligt innehåll. " - När är det rätt att döda ett djur?"

Charlotta Billing & Iann Lundegård

## Nofa 7 – Stockholm 2019

#84 Creating Physics Teachers: The Figured World of Finnish Physics Teacher Education

Lotta Jons, John Airey & Mats Braskén

#102 Opportunities for progression in subject-matter didactics

Maria Svensson, Marie Ståhl, Maria Åström, Björn Friis Johannsen & Git Börjesson

#132 Learning outcomes from practical teacher training in Africa

Åshild Samnøy

Chair: Iben Christiansen

Room: Bergsmannen

Host: Martin Nyman

### **4E Symposium 24** *Economics education and environmental and societal challenges*

Caroline Ignell, Pernilla Andersson, Peter Davies, Cecilia Lundholm, Mattias Björklund, Niclas Modig & Martin Kristiansson

Chair: Cecilia Lundholm

Room: Kungstenen

Host: Julia Fries

### **4F Paper session** *Education for sustainability*

#61 Ecological literacy in fieldwork – teaching, learning and materiality

Kristin Persson, Maria Andrée & Cecilia Caiman.

# 94 Developing students' dynamic systems thinking as powerful geographical knowledge through causal map exercises to understand complex climate change issues.

Annalotta Dessen Jankell.

#119 Citizenship and systems thinking: how social studies education contributes to sustainability education

Elin Sæther

Chair: Eva Norén

Room: Wallenbergsalen

Host: Kerstin Grenö

### **4G Paper session** *Cultural Diversity as a resource*

#27 Teaching about minorities in Finland

Tom Gullberg and Mårten Björkgren

#88 The pupils previous knowledge of migration as a starting point for the educational practice

Sara Blanck

## **Nofa 7 – Stockholm 2019**

#107 The use of examples within teaching in Religious Education: On religious diversity and singularity  
Marie Hållander

Chair: Marie Hållander

Room: Reinholdsalen

Host: Cecilia Eskilsson

**15.00-15.30 COFFEE BREAK**

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## 15.30-17.30 SESSION 5

### 5A Paper session *Education for Bildung*

#15 Examining science related media through dialogue or argumentation -  
Developing students' capabilities to participate in socio-scientific reasoning  
Jonna Wiblom, Maria Andrée & Carl- Johan Rundgren

#25 Samhällskunskapsämnet's medborgarbildande potential  
Johan Sandahl & Maria Olson

#96 Teaching current issues across subjects – a part of education for  
democracy?  
Anders Stig Christensen & Stefan Ting Graf

#98 Didactic modelling for eco-reflexive Bildung  
Jesper Sjöström

Chair: Johan Sandahl  
Room: Spelbomskan  
Host: Maria Weiland

### 5B Symposium 100 *Global questions in the local classroom: the place of religion in societal education?*

Jenny Berglund, Marie von der Lippe, Karin K Flensner, Kristian Niemi, Fredrik Jahnke, Karl Jansson, Arniika Kuusisto, Arto Kallioniemi & Cecilia Eskilsson

Chair: Jenny Berglund  
Discussant: Geir Skeie  
Room: Mimer  
Host: Kristian Niemi

### 5C Symposium 71 *Learning Activity - A Framework for Research Concerning Teaching and learning*

Helena Eriksson, Jane Tuominen, Jenny Fred, Henning Bengtsson & Marie Björk

Chair: Helena Eriksson  
Discussant: Inger Eriksson  
Room: Polstjärnan  
Host: Anette de Ron

### 5D Paper session *Communicative aspects of teaching and learning*

#30 Students' writing in Physical Education and Health – entextualizations of  
what knowledge?  
Anna-Maija Norberg

#69 Language Awareness Across the Language Curriculum – An Action  
Research Study  
Line Krogager Andersen

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#103 Technological Literacy in the Teaching of Danish  
Marie Slot, Michael Jensen and Søren Rasmussen.

#106 Lyttekompetence – en vej til faglig læring i danskfaget i udskolingen  
Lene Illum Skov

#130 Klassesamtalen – en danskdidaktisk udfordring og opgave  
Dorthe Carlsen, Rikke Christoffersen Denning & Max Ipsen

Chair: Anna-Maija Norberg

Room: Bergsmannen

Host: Kristian Pettersson

### **5E Paper session** *Teacher Education*

#14 Student work and student production in mathematics: Quantitative analysis  
Lars Henrik Jørgensen, Kaj Nedergaard Jepsen & Rune Hansen

#21 Student teachers' perceptions of a democracy board exercise: challenges of social science concepts and differentiated instruction in social studies  
Nora E. H. Mathé

#34 “bara att göra VFU utan ämnesdidaktik, det hade varit helt värdelöst” [to do practicum without subject pedagogy had been completely worthless]  
Iben Christiansen, Kicki Skog & Annica Andersson

#87 Co-teaching between pre-service and in-service teachers  
Päivi Portaankorva-Koivisto, Merike Kesler, Arja Kaasinen, Anna Uitto, Anttoni Kervinen and Kalle Juuti

#112 The Inward Gaze in Practicum Tasks  
Lisa Österling

Chair: Iben Christiansen

Room: Kungstenen

Host: Martin Nyman

### **5F Symposium 22** *Powerful Knowledge, Epistemic Quality and Transformations, Part II: Towards a progressive future school scenario in Teaching*

Amna Khawaja, Mikko Puustinen, Mark Hardman, Christina Olin-Scheller, Marie Tanner, Eva Tarander, Marie Wejrums & Alison Kitson.

Chair: Christina Olin-Scheller

Discussant: Brian Hudson

Room: Wallenbergsalen

Host: Kerstin Grenö

## **Nofa 7 – Stockholm 2019**

### **5G Symposium 51** *Comparative subject didactics*

Anna Larsson, Cecilia Lundholm, Mårten Björkgren, Karin Kittelman Flensner, Kristina Ledman, Daniel Nyström, Johan Samuelsson & Gull Törnégren

Chair: Anna Larsson

Room: Reinholdsalen

Host: Daniel Lindblom

**18.30 - Conference dinner at Långholmens Wärdshus**

# Nofa 7 – Stockholm 2019

## Wednesday May 15th

### 8.30-10 SESSION 6

#### **6A Paper session** *English as Second Language (ESL)*

#40 Bridging Curricular Disconnects in English Language Teaching in Danish primary school  
Benthe Fogh Jensen

#46 A comparative study of language use in L2 English multilingual secondary school classrooms in Norway and Sweden  
Pia Sundqvist, Lisbeth M. Brevik, Erica Sandlund & Ulrikke E. Rindal

#111 Foreign language task design for beginner-level pupils  
Jessica Berggren, Karina Pålsson Gröndahl, Silvia Kunitz, Anette Jansson Resare, Lilian Bermedo, Deni Beslagic & Sandra Rosa.

Chair: Ulrika Magnusson

Room: Spelbomskan

Host: Björn Kindenberg

#### **6B Paper session** *Professional Literacy*

#18 Disciplinary reading literacies for subject learning in vocational upper secondary education  
Yvonne Hallesson & Pia Visén

#70 Word magic? Working with words and word construction in school  
Anne Golden & Ingebjørg Tonne

#137 Vocational literacy as part of carpentry knowing  
Viveca Lindberg

Chair: Pia Visén

Room: Mimer

Host: Anna-Maija Norberg

#### **6C Paper session** *Assessment & Examinations*

#47 Do centralised upper secondary school exit examinations offer added value?  
Sirrku Kupiainen & Najat Ouakrim-Soivio

#53 Money, debt and banking in the Finnish social studies matriculation exams: A Post-Keynesian critique of upper secondary school economic education  
Jan Löfström & Timo Kinnunen

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#124 Peer review to clarify criteria and promote pupil agency  
Jessica Berggren

Chair: Pernilla Andersson  
Room: Polstjärnan  
Host: Birgit Fahrman

**6D** (The following paper session has been changed from 10:30)

**Paper session** *Comparative didactics*

#9 Conceptions of ethical competence – showed in students' texts  
Annika Lilja

#54 Lärares bedömningspraktik i två olika SO-ämnen – erfarenheter,  
utmaningar och möjligheter  
Anders Persson and Mikael Berg

#133 History and civics for the middle years: a comparative analysis of the  
syllabuses for two school subjects in Sweden and Finland  
Ylva Wibaeus, Max Strandberg & Viveca Lindberg

Chair: Ylva Wibaeus  
Room: Bergsmannen  
Host: Patrik Johansson

**6E Paper session** *Aesthetic didactics*

#37 Transcultural Perspective on Esthetic Education  
Anja Kraus

#72 Den kulturskoledidaktiska bron/The Art-School Didactic Bridge  
Ketil Thorgersen

#93 Constructing Resistance - Negotiations of Femininity, Race and Age in  
Swedish Visual Arts Education  
Maria Eriksson

#120 Positioning among students affecting the learning outcome  
Mikael Persson

Chair: Ketil Thorgersen  
Room: Kungstenen  
Host: Lisa Österling



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## **6F Paper session** *Teaching & learning*

#48 Insecure student's motivation in project-oriented teaching  
Peter Brodersen

#128 Patterns of teaching across subjects  
Stefan Ting Graf & Lena Lønfeldt Weiglin

Chair: Kristina Lanå

Room: Wallenbergsalen

Host: Annalotta Dessen-Jankell

**6G Symposium 45** *Powerful Knowledge, Epistemic Quality and Transformations, Part III:  
Towards a progressive future school scenario in Teacher Education*  
Alex Standish, Catherine McCrory, Cosette Crisan & Martin Stolare

Chair: Cosette Crisan

Discussant: Arthur Chapman

Room: Reinholdsalen

Host: Martin Nyman

**10.00-10.30 COFFEE BREAK**

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## 10.30-11.30 SESSION 7

### 7A Paper session *English as Second Language (ESL)*

#89 Code-switching in two multilingual secondary-school English classrooms in Sweden: Teacher practices and student beliefs

Marie Källkvist, Henrik Gyllstad, Erica Sandlund & Pia Sundqvist

#90 Task-oriented interaction in the EFL classroom

Silvia Kunitz, Jessica Berggren, Karina Pålsson Gröndahl, Anette Resare Jansson, Malin Haglind & Anna Löfquist

Chair: Ulrika Magnusson

Room: Spelbomskan

Host: Kristian Pettersson

### 7B Paper session *History didactics*

#11 Kvinnliga och manliga aktörer i historieundervisningen

Kristina Lanå

#66 How can teaching be designed to develop pupils' ability to reasoning in writing in the subject of history in grade 5? A phenomenographic study of Social study teachers' conceptions

Heléne Hugo

#116 The cultural museum as a resource for history teaching An explorative study in class 6

Margit Eva Jensen

Chair: Martin Karlsson

Room: Mimer

Host: Mattias Björklund

### 7C Paper session *Literature & reading*

#39 Finnish primary school pupils' literary landscapes: What do Finnish- and Swedish-speaking pupils read at school?

Liisa Tainio & Henri Satokangas

#92 Choice of text and didactic knots

Eva Söderberg, Katarina Rejman & Sari Vuorenpää

NB! The presentation will be held in Swedish.

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#104 Is there a message between the lines? A design-based research approach to literary reading instruction

Björn Kindenberg, Anna-Maija Norberg, Lana Dervisic, Jessica Fidani Kemmler, Jesper Kans, Vera Alfredsson, Mika Nyman, Annika Löow, Anna Norlin, Linda Sörensson & Nina Halmkrona

Chair: Katarina Rejman

Room: Polstjärnan

Host: Birgit Fahrman

**7D** (The following symposium has been changed from 8:30)

**Symposium 82** *What is history? Implications for teaching and learning*

Tyson Retz, Arthur Chapman, Alexandre Dessingué & Kenneth Nordgren

Chair: Iben Christiansen

Room: Bergsmannen

Host: Patrik Johansson

**7E Paper session** *Establishing vocational knowing*

#28 Analysis of language games in mercantile upper secondary school subjects

Torben Spanget Christensen & Camilla Kølsten Petersen

#57 A framework for analysing assessment in working life and vocational education

Lisa Björklund Boistrup & Viveca Lindberg

Chair: Viveca Lindberg

Room: Kungstenen

Host: Lisa Österling

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## 7F Paper session *Science, teaching and learning*

#127 Students' capabilities to formulate scientifically researchable questions in upper secondary science education

Sebastian Andersson, Malin Lavett Lagerström, Jonna Wiblom, Maria Andrée, Per-Olof Freerks, Sofia Jahdadic, Johanna Lundström, Johanna da Luz, Johan Nordling, Sara Puck, Josefin Reimark, Per Wennerström and Fredrik Westman

#141 Science teaching and learning - under the influence of OECD?

Steffen Elmose

Chair: Maria Andrée

Room: Wallenbergsalen

Host: Annalotta Dessen-Jankell

## 7G Paper session *Cultural diversity challenges and opportunities*

#32 Othering and belonging in Danish as second language subject, L2: Master- and counter narratives of education and ethnicity

Anke Piekut

#86 How is inclusion foregrounded in mathematics teacher education research?

Kicki Skog

Chair: Jöran Petersson

Room: Reinholdsalen

Host: Laura Caligari

## 11.30-11.40 WALK TO AULA MAGNA

### 11.40-12.20 Panel: Policy, Research and practice

*Maria Andrée*, Department of Mathematics and Science and education, Stockholm University

*Liv Merete Nielsen*, Department of Art, Design and Drama, Oslo Metropolitan University

*Torben Spanget Christensen*, Department for the Study of Culture, University of Southern Denmark

*Martin Ubani*, School of Theology, University of Eastern Finland

Moderator: Christina Hedman

Room: Aula Magna

## 12.20-12.30 CLOSING, Room: Aula Magna

Approx 12.30-

**LUNCH**

\*\*\*Have a safe trip home\*\*\*