



Ilenia Rebella

Adjunct professor

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Education and training

1999

Degree in Mathematics

University of Genoa - Genoa - IT

2009

Master of II Level in Science Education

University of Genoa - Genoa - IT

Academic experience

2017 - 2019

Contract Professor of the Mathematics Laboratory Module 1 at the Department of Education Sciences (DISFOR)

University of Genoa - Genoa - IT

Lecturer in the Laboratory of Mathematics participation in exam sessions participation in graduation sessions co-supervisor of thesis

2016 - 2020

Coordinator Tutor for the Internship at DISFOR

University of Genoa - Genoa - IT

Direct and indirect internship supervisor of DISFOR students

2022

Contract Professor of the Special Teaching Laboratory Communicative Codes of Logical and Mathematical Language

University of Genoa - Genoa - IT

Lecturer of the Laboratory of Logical and Mathematical Codes for kindergarten teachers participation in exam sessions

Work experience

1997 - ONGOING

Permanent primary school teacher

MIUR - Savona - IT

Teaching of the logical-mathematical scientific and technological area

2016 - 2017

Expert on teacher education

MEMO (Multicentro Educativo Modena) public agency of the municipality of Modena. - Modena - IT

6-hour training course Building skills in mathematics for primary school teachers of the Comprehensive Institutes of Modena

2016 - 2021

Expert in the management and revision of standardized paper and computerized tests.

INVALSI - Istituto Nazionale per la Valutazione (National Institute for Evaluation) - Roma - IT

Management and review of standardized paper and computerized tests and participation in G05 working groups

2018

Expert for training meetings for teachers of the first cycle of education (mpi.AOODRLI.OFFICIAL REGISTER.U.0009111.28-08-2018) The vertical curriculum of mathematics of the first cycle of education and the connection with the tests INVALSI

USR Liguria - Genova - IT

Teacher training on the assessment of learning on the performance of national standardized tests on the certification of skills and the construction of a vertical curriculum.

Language skills

Italian

Mother tongue

English

Independent

Research interests

I'm interested in teaching mathematics and science.

I worked in the research group of Prof. Aldo Borsese (from 2009 to 2014) and in the research group of DIMA coordinated by Prof. Paolo Boero and Prof.ssa Francesca Morselli (from 2009 to 2019) and I published some articles on my research activity-Classroom action in both specialized magazines and school magazines.

I participated as an expert teacher in the European Project Comenius-Chemistry is All Around Network (Lifelong Learning Programme) for the experimentation and evaluation of technological teaching resources and international teaching articles in the field of chemistry-scientific for primary and secondary school I and II grade from 2011 to 2014 and I participated as a speaker at the International Conference 'Successful Educational Experiences and Didactic Guidelines in Science Teaching' (Dipartimento di Chimica e Chimica Industriale, Genova 23-24 October 2014). My research has focused in particular on the development of mathematical argumentation and discussion in the classroom and on the learning of

formalisms in particular in children with special educational needs. In particular, I am currently interested in the inclusive teaching of mathematics and the development of mathematical skills.

Editorial activity

I've worked as an author of articles on mathematics and science teaching:

- Ilaria Rebella, 'The first approach to rationality through argumentation in the fields of experience. From the fields of experience 'Coins' and 'Calendar' to the representation of the number' (pp.313-324), Proceedings of the Conference of Sestri Levante 9-11 June 2016 in memory of Paolo Gentilini 'Educare alla razionalità. Tra logica e didattica della matematica' edited by Morselli, Rosolini, Toffalori, published edition of UMI (Unione Matematica Italiana) 2019, ISBN 978-88-9633-629-8;
- I. Rebella, 'Numbers in first. From pragmatic and morphological considerations, to first examples of theoretical thought', Scuola Italiana Moderna n.7-marzo 2015, Anno 122, pp.40-45, Editrice La Scuola, Brescia ISSN 0036-9888
- I. Galliani, R.Iadarola, L.Pollero, I. Rebella 'Arguing in mathematics. The productions', New Gulliver News n.181 November 2016, pp.18-21 ISSN 1124-3430
- A.Borsese, R.Biavasco, G.Caviglia, B.Mallarino, I.Parrachino, I.Rebella, E.Tamburello, L.Vignali, N.Zamboni, L.Zunino, 'For a cultural re-evaluation of scientific teaching and initial and in service training of teachers' - CnS, La Chimica nella Scuola, October- December 2009, pp.39-53 ISSN 0392-5942
- R.Iadarola, L.Pollero, I. Rebella 'From fields of experience to arithmetic skills', New Gulliver News No.179 September 2016, pp.15-19 ISSN 1124-3430