

VIETNAM JOURNAL OF EDUCATIONAL SCIENCES

Editorial Board

Le Anh Vinh (Chairman)	Vietnam National Institute of Educational Sciences
Aaron Benavot	University of Albany, USA
Nguyen Huu Chau	Vietnam National Institute of Educational Sciences
Christine Chen	Association for Early Childhood, Singapore
Thomas Chiu	The Chinese University of Hong Kong
Pham Tat Dong	Vietnam Association of Learning Encouragement
Pham Minh Hac	Vietnam Association of Former Teachers
Philip Hallinger	Mahidol University, Thailand
Martin Hayden	Southern Cross University, Australia
Tran Huy Hoang	Vietnam National Institute of Educational Sciences
Tran Kieu	Vietnam Association of Psycho-Pedagogical Sciences
Phan Van Kha	Vietnam National Institute of Educational Sciences
Wing On Lee	Singapore University of Social Sciences
Nguyen Loc	Ba Ria - Vung Tau University
Nguyen Thi My Loc	Vietnam National University
Tran Thi Ly	Deakin University, Australia
Thien Lei Mee	University of Sains Malaysia
Nguyen Duc Minh	Vietnam National Institute of Educational Sciences
Roger Moltzen	University of Waikato, New Zealand
Tran Cong Phong	Vietnam National Institute of Educational Sciences
Luong Viet Thai	Vietnam National Institute of Educational Sciences
Tran Thi Tuyet	RMIT University, Australia
Nile Stanley	University of North Florida, USA
Farrah Dina Yusop	University of Malaya, Malaysia

Editor-in-chief:
Managing editor:
Technical editor:

Le Anh Vinh
Bui Thi Dien
Luong Dinh Hai

<https://vjes.edu.vn/>

● Address: 101 Tran Hung Dao, Hoan Kiem, Hanoi ● Telephone: (084)243 942 4183 - (084)243 942 2314 - (084)243 942 3488 ● Fax: (024) 3 942 4183 ● Website: <https://vjes.edu.vn/>
● Email: en.vjes@vnies.edu.vn ● Publishing License No. 605/GP-BTTTT dated by the Ministry of Information and Communications on 04/12/2017 ● Designing and editing layouts: Minh Thu and Bich Ngan ● Printed at Nguyen Lam Company Limited.

CONTENTS

1	Le Anh Vinh Editorial note	1
2	Berinderjeet Kaur Continuing professional development of mathematics teachers in Singapore	3
3	Mark Applebaum, Judith Zami Making the difference: Training early childhood math teachers in STEM skills	11
4	Catherine P. Vistro-Yu Developing a culturally relevant mathematics curriculum using transdisciplinary approaches	23
5	Ta Thi Minh Phuong, Tran Dung Attitudes change during an integration of modeling course in year 10 - The application of the ABC model	32
6	Pham Sy Nam GeoGebra as a tool to enhance understanding of the concept of derivative of a function and develop mathematical competencies	40
7	Nguyen Ngoc Giang, Pham Huyen Trang, Le Hoai Bao Developing mathematical modelling competence for students in Vietnam through teaching practical problems on the topic of exponential and logarithmic inequalities	49
8	Daryna Vasylieva, Tetiana Hodovaniuk Math and coding in STEM education	61
9	Hoang Phuong Hanh, Do Duc Lan, Bui Dieu Quynh, Vu Tuan Vu, Le Anh Vinh Mathematical gifted education in East Asia and the West: A comparative review and case study of Vietnam	69