

CONTENTS

<i>List of figures</i>	<i>xviii</i>
<i>List of tables</i>	<i>xx</i>
<i>Contributors</i>	<i>xxiii</i>
<i>List of abbreviations</i>	<i>xxxvii</i>
1 Schools and schooling in Asia: achievements and challenges for “Asia rising”: an introduction to the <i>Handbook</i> <i>Kerry J. Kennedy and John Chi-Kin Lee</i>	1
SECTION 1	
Framing 21st-century education in Asia	13
2 Closing the gaps: what does an equity agenda look like in Asia-Pacific? <i>Gwang-Jo Kim and Wesley Teter</i>	15
3 Notions of equality and fairness in education: the case of meritocracy in Singapore <i>Jason Tan</i>	28
4 “Inter-referencing” as methodology: the “emotional contagion” of PISA and the discursive formation of an emergent East Asia policy field <i>Aaron Koh</i>	40
5 Looking in from outside: schools and schooling in Asia from an outside perspective <i>Christine Halse</i>	58

SECTION 2	
Curriculum	73
6 Reorienting curriculum practices in changing Asian societies	75
<i>Section Editor</i>	
<i>Edmond Hau-fai Law</i>	
7 High school mathematics curriculum in East Asia: design and trends (Hong Kong, South Korea and Singapore)	77
<i>Wai Hong Chan and Siwan Sum</i>	
8 Intended curriculum of nature of science for prospective school science teachers: scientism in Chinese science teacher educators’ conceptions	85
<i>Zhi Hong Wan</i>	
9 K–12 service-based learning in three Chinese societies	102
<i>Huixuan Xu</i>	
10 Issues of educational equity, curriculum, and pedagogy in Hong Kong	110
<i>Benjamin “Benji” Chang</i>	
11 Re-engineering the curricular and pedagogical practices in the Asian region	123
<i>Edmond Hau-fai Law</i>	
SECTION 3	
Learning	139
12 Learning and pedagogy: Asian perspectives	141
<i>Section Editor</i>	
<i>Ronnel B. King</i>	
13 Learning primary science by inquiry: what does a technology- enabled curriculum look like?	144
<i>Daner Sun and Chee-Kit Looi</i>	
14 Preparation for future collaboration: an interdisciplinary learning design in a Singaporean primary school	156
<i>Rachel Lam, Michelle Io-Low, and Jen-Yi Li</i>	
15 Designing new media for new literacy in an arts classroom: a lesson about designed affordance and perceived affordance	166
<i>Mingfong Jan</i>	

16	An investigation of interest-driven learning environments for low-progress learners: case studies in Singapore <i>Longkai Wu, Sujin He and Wei Zhang</i>	179
17	The internal/external frame of reference model of academic self-concept formation: extension to a foreign language and Chinese vocational students <i>Lan Yang</i>	189
SECTION 4		
Assessment		205
18	Technology-enhanced assessment reforms in Asia <i>Section Editor</i> <i>Magdalena Mo Ching Mok</i>	207
19	The changing measurement paradigms for the changing education in China <i>Xiaoting Huang</i>	213
20	An assessment of learning Cantonese opera movement in Hong Kong: application of the Computerised Kinetic Chain Assessment and Learning System <i>Bo-Wah Leung, Magdalena Mo Ching Mok, Bor-Chen Kuo, Zhi-Yong Liu, Sze Ming Lam, Chun Wai Ng, Lee Cheng, Kevin Hang Hey Ma and Tsz Wing Choi</i>	220
21	Assessing the cognitive components of reading in Thai <i>Exkarach Deenang, Bor-Chen Kuo and Chen-Huei Liao</i>	234
22	Computerised adaptive testing: application and implications for teaching and learning in Indonesia <i>Muslem Duad, Bor-Chen Kuo, Yusrizal and Magdalena Mo Ching Mok</i>	246
SECTION 5		
International schools		255
23	International schools and schooling in Asia <i>Section Editor</i> <i>Darren A. Bryant</i>	257
24	And a green tea Frappuccino: developing the local dimension of international schools <i>Ed Wickins and Arnett Edwards</i>	261

25	Asian or international? Exploring the tensions and opportunities offered by international schools in Asia for local students <i>Lucy Bailey</i>	272
26	Do international school staff receive professional development training about third culture kids (TCKs)? Perspectives from faculty and parents <i>Yvonne McNulty and Margaret Anne Carter</i>	280
27	Leadership in Asian international schools: mapping a research agenda <i>Darren A. Bryant</i>	293
28	The IB research programme: instrumental and enlightenment use of research findings in Asia <i>Bradley Shrimpton and Maria Eloisa Ramos</i>	307
SECTION 6		
	Private supplementary tutoring	317
29	Private tutoring in Asia: illuminating the shadow <i>Section Editor</i> <i>Maria Manzon</i>	319
30	Shadow education in East Asia: entrenched but evolving private supplementary tutoring <i>Wei Zhang and Yoko Yamato</i>	323
31	Private tutoring in Southeast Asia: knowledge economies, positional goods, and double entendres <i>Will Brehm</i>	333
32	Shadow schooling in South Asia: contexts, forms and characteristics of private supplementary tutoring in English at the secondary level in rural Bangladesh <i>Rafsan Mahmud</i>	343
33	(Un)Regulating shadow education in West Asia: Armenia, Azerbaijan, Georgia and Turkey <i>Magda Nutsa Kobakhidze</i>	355

SECTION 7	
Information and communications technology	365
34 Digital learning for development of Asian schools	367
<i>Section Editor</i>	
<i>Cher Ping Lim</i>	
35 Digital learning for developing Asian countries: achieving equity, quality, and efficiency in education	369
<i>Cher Ping Lim, Victoria L. Tinio, Matthew Smith, and Miron Kumar Bhowmik</i>	
36 Current status, challenges, and opportunities of the Intelligent Tutoring System (ITS) in developing countries in Asia	382
<i>Kaushal Kumar Bhagat, Ma. Mercedes T. Rodrigo, and Chun-Yen Chang</i>	
37 A systematic literature review of game-based learning and gamification research in Asia: the synthesized findings and research gap	396
<i>Hyo-Jeong So and Minhwi Seo</i>	
38 Learning analytics: approaches and cases from Asia	419
<i>Bodong Chen, Chih-Ming Chen, Huang-Yao Hong, and Ching Sing Chai</i>	
SECTION 8	
Early childhood education	433
39 Early years education: movements in the field	435
<i>Section Editor</i>	
<i>Liz Jones</i>	
40 Masks, masquerades and ironic performances: getting our(selves) heard	441
<i>Gail Yuen</i>	
41 Neither a borrower nor a lender be? Better to question how to borrow: an exploration of Asia as method in teaching Drama-in-Education in Hong Kong	450
<i>Po Chi Tam</i>	
42 The challenge of promoting creativity in Hong Kong early childhood context	464
<i>Rebecca Hun Ping Cheung</i>	

43	Telling tales: parental reactions to children's picturebooks <i>Richard Wong Kwok-Shing</i>	476
SECTION 9		
	Language education	487
44	Tensions of language education in Asia <i>Section Editor</i> <i>Bob Adamson</i>	489
45	Trilingualism and languages policy in education in Sri Lanka <i>Indika Liyanage</i>	492
46	Chinese as a second language education in Asian schools <i>Danping Wang</i>	502
47	Language teacher professional development in Asia: historical trends, current practices and future directions <i>Laura Gurney, Indika Liyanage and Lanxi Huang</i>	510
48	Implementation and impact of language-in-education policies: insights from South Korea and Hong Kong <i>Tae-Hee Choi</i>	518
SECTION 10		
	Special education	525
49	Leading the way in supporting children with additional needs <i>Section Editors</i> <i>Ka Chun Cheung, Elena Kwong and</i> <i>Kevin Kien Hoa Chung</i>	527
50	Understanding and supporting children with dyslexia and late-emerging reading difficulties <i>Kevin Kien Hoa Chung</i>	531
51	Neural basis of learning issues in children with autism: a bridge to remediation planning <i>Yvonne Ming-Yee Han and Agnes Sui-Yin Chan</i>	542
52	Gaps and go's in policy, practice and research of gifted education in China, Hong Kong, Singapore and Taiwan <i>Anna Na Na Hui, Mavis Wu Jing He, Ching-Chih Kuo, Ai Girl Tan, Yifan Lyu and Lai Kwan Chan</i>	555

53	Writing difficulties in Mainland China, Taiwan, Hong Kong and Japan: an overview of the issues <i>Patcy Pui-Sze Yeung</i>	570
SECTION 11		
	Moral and civic education	585
54	Moral and civic education <i>Section Editor</i> <i>Zhenzhou Zhao</i>	587
55	The dynamics of moral development: rethinking what develops and how <i>Minkang Kim</i>	591
56	Global citizenship education in Asia <i>Theresa Alviar-Martin and Mark C. Baidon</i>	600
57	Human rights education in Asia <i>Eric King-man Chong</i>	610
58	Citizenship education from a multicultural perspective: the case of Malaysia <i>Vishalache Balakrishnan</i>	621
59	Alienated and disaffected students: exploring the civic capacity of 'Outsiders' in Asian societies <i>Xiaoxue Kuang</i>	629
SECTION 12		
	Vocational education	643
60	TVET as an increasingly important part of schooling in Asia <i>Section Editor</i> <i>Margarita Pavlova</i>	645
61	Development of TVET systems in the ASEAN region: issues of quality and standards <i>Thomas Schröder</i>	650
62	Career guidance in TVET: challenges of implementation <i>Rong Kang and Margarita Pavlova</i>	661
63	A framework for success: a regional overview of the ICT-enhanced practices in TVET <i>Margarita Pavlova</i>	669

SECTION 13		
Education for sustainable development		681
64 Sustainable schooling in the Asia-Pacific region: an imperative of hope		683
<i>Section Editor</i>		
<i>Tamara Savelyeva</i>		
65 Nature schools and China's environmental education		686
<i>Rob Efrid</i>		
66 The uneven work of sustainability: schooling, tourism, and rural development in Southwest China		693
<i>Jinting Wu</i>		
67 Decolonizing pedagogy for inclusive education: Tagorean analysis of a case study		709
<i>Mousumi Mukherjee</i>		
68 Building active mindsets among the local youth for rural sustainability: the new role of local schools in an aging and shrinking society		722
<i>Shogo Kudo and Ryu Yanagisawa</i>		
69 Stepping up the challenge: fostering sustainability consciousness of Hong Kong students with New Senior Secondary Liberal Studies curriculum		740
<i>Tamara Savelyeva</i>		
SECTION 14		
Gender		757
70 Gender and schooling in Asia: prospects and challenges		759
<i>Section Editor</i>		
<i>Anita Kit-wa Chan</i>		
71 Gender, ethnicity and schooling in China		764
<i>Yang Miaoyan</i>		
72 Gender-related implications of the reform of school leadership in Indonesia		774
<i>Jill Sperandio</i>		

73	Gender equity education in Taiwan: history, practices, and challenges <i>Li-Ching Wang</i>	786
74	To lead and to mother: contradictory constructions of new femininities in an elite girls' school in Hong Kong <i>Dorothy Wing-huen Lee and Anita Kit-wa Chan</i>	794
SECTION 15		
	Ethnic minorities	803
75	Seeking equity in education for Asia's ethnic minorities <i>Section Editor</i> <i>Ming-tak Hue</i>	805
76	Education for ethnic minority young people in Hong Kong: what school factors make them unsuccessful? <i>Miron Kumar Bhowmik and Ming-tak Hue</i>	808
77	Promoting cultural responsiveness and multicultural competency in Hong Kong schools <i>Ming-tak Hue</i>	819
78	School roles in ethnic minority education in Korea <i>Yanghee Kim</i>	829
79	The changing policy discourse and the implementation of multicultural education in Taiwan in the 21st century: education for new immigrant children and beyond <i>Dorothy I-ru Chen</i>	838
SECTION 16		
	Sexual and gender minorities	851
80	Contesting sexual and transgender prejudice: advocating human rights of LGBTQ students in Asia <i>Section Editor</i> <i>Diana K. Kwok</i>	853
81	Sexual prejudice and school experience of LGBQ students in South Korea and Hong Kong <i>Diana K. Kwok and Jieha Lee</i>	857

Contents

82	From bakla to transpinay: transgender students in Philippine schools <i>Brenda R. Alegre</i>	864
83	Contesting school heterosexism: Rights-based sexuality education for LGBTQ students <i>Diana K. Kwok and Barry M. W. Lee</i>	872
84	Community support services for LGBTQ students in Mainland China, Hong Kong and Taiwan <i>Kim Kwok and Diana K. Kwok</i>	880
85	Supporting transgender students: Chinese school social workers as transgender allies <i>Diana K. Kwok</i>	889
SECTION 17		
Teacher education		897
86	Facilitating student-teacher professional learning in their field experience <i>Section Editor</i> <i>May May Hung Cheng</i>	899
87	Changes in the teaching motivations of student teachers in Hong Kong <i>Angel Kit Yi Wong, May May Hung Cheng, and Sylvia Yee Fan Tang</i>	902
88	The teaching practicum in Singapore: developing teacher identity and professional practices <i>Bee Leng Chua, Yew-Jin Lee and Woon Chia Liu</i>	912
89	Engaging student teachers in video-mediated self-reflection in teaching practica <i>Handoyo Puji Widodo and Sandi Ferdiansyah</i>	922
90	Challenges for student-teachers during their teaching practicum in an early childhood teacher education context <i>May May Hung Cheng, Sylvia Yee Fan Tang, and Angel Kit Yi Wong</i>	935
SECTION 18		
Learning study		945
91	Lesson and Learning Study – originated in the East and spread worldwide <i>Section Editor</i> <i>Po Yuk Ko</i>	947

92	Lesson Study as an effective element for curriculum implementation and innovation <i>Hiroyuki Kuno</i>	950
93	The growth of lesson study globally and in Singapore: implications for quality and sustainability <i>Christine Kim-Eng Lee and Christina Lim-Ratnam</i>	955
94	The development of Learning Study in Hong Kong and its shifting focus in university–school partnership <i>Po Yuk Ko</i>	964
95	Lesson Study in Brunei Darussalam: changing the paradigm for teaching and learning <i>Keith Wood, Jainatul Halida Jaidin, Rosmawijah Jawawi, J. S. H. Quintus Perera, Sallimah Mohd. Salleh, Masitah Shahrill and Saratha Sithamparam</i>	976
SECTION 19		
	School leadership	987
96	School leadership in Asia: a growing knowledge base <i>Section Editor</i> <i>Allan Walker</i>	989
97	Developments in educational leadership research and practice in Asia <i>Darren A. Bryant and Allan Walker</i>	995
98	“We need an iron hand, but the iron hand must be a clean hand”: contextualizing the practice of school leadership in Vietnam <i>Philip Hallinger, Truong Dinh Thang and Gian Tu Trung</i>	1004
99	School principalship in China: a collective portrait <i>Haiyan Qian</i>	1015
100	Creativity and leadership as organizational vectors: implications for East Asian school reform <i>Roger Shouse, Jinyan Bai, and Chenwei Ma</i>	1027
	<i>Index</i>	1038