## Contents

### Natural Science

<table>
<thead>
<tr>
<th>Title</th>
<th>Author(s)</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Some examples for total curvatures of curves and surfaces with singularities</td>
<td>Yosuke Takeuchi, Takeo Tanaka, Takashi Nitta</td>
<td>1–21</td>
</tr>
<tr>
<td>Programming Education for Junior High School Students using JavaScript</td>
<td>Kazunori Yamamori</td>
<td>23–30</td>
</tr>
</tbody>
</table>

### Humanities

<table>
<thead>
<tr>
<th>Title</th>
<th>Author(s)</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>A Note on the Choice of Chinese Characters for the Primary School Graded Kanji Table</td>
<td>Ken-ichi Tambo</td>
<td>39–52</td>
</tr>
<tr>
<td>A Research on Paintings by Shoha Ito</td>
<td>Yasuhiro Yamaguchi</td>
<td>53–64</td>
</tr>
<tr>
<td>Laws as Particular Secondary Causes: The Scholastic Theory of Causation and Descartes's Physics</td>
<td>Hiroto Akimoto</td>
<td>65–89</td>
</tr>
<tr>
<td>Patterns of Hiragana Written by the Learners of Japanese from Non-Kanji Backgrounds — Focused on rough shape and 'hitsumyaku'</td>
<td>Asako Hayashi</td>
<td>91–96</td>
</tr>
<tr>
<td>Interference of the Japanese Language in Writing English in Terms of Thought Process and Expression: A Case Study</td>
<td>Nobuhiro Miyachi</td>
<td>97–114</td>
</tr>
</tbody>
</table>

### Social Science

<table>
<thead>
<tr>
<th>Title</th>
<th>Author(s)</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current situations and problems of eating habits for college students in China</td>
<td>Cheng Xianjie, Madoka Hirashima, Toshiko Yoshimoto, and Yuka Isobe</td>
<td>115–120</td>
</tr>
<tr>
<td>Model study on the organizational children understanding and new educational counseling system in elementary school</td>
<td>Ayafumi Goto and Manabu Minami</td>
<td>121–127</td>
</tr>
</tbody>
</table>

### Education

<table>
<thead>
<tr>
<th>Title</th>
<th>Author(s)</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Attempt of teaching materials for clothing selection using a clothing design education website by 3D-Garment Designs</td>
<td>Tomoe Masuda and Kaori Murakami</td>
<td>133–143</td>
</tr>
</tbody>
</table>
"A Support Program for People with Extreme Behavioral Disorders Living in A Community"
Tetsuro ARAKAWA, Takayoshi NISHINO, Shougo NOMURA and Toshimi HAYASHI (145 — 155)

Aspects of "Openness toward Society"
— A Critique of "Socialization" in Citizenship Education —
Toshiko ITO (157 — 165)

A study on the development of school leaders with keen powers of observation (1)
— Imai said Mutsumi’s theory as a clue —
Norifumi ICHIKAWA (167 — 175)

A study on Piano practical skill instruction in teacher training programs for students in the music specialty (2):
An examination of the subjects’ performances and interviews of Beethoven’s symphony fifth Op. 67 for 2pianos 6hands
Naofumi KANESHIGE and Reiko EBISUTA (177 — 194)

A Study on Teaching Method of Proportion: Through the Empirical Consideration of the "a Proposal of Arithmetic Proportion"
Masaharu NAKANISHI and Makoto SUGI (195 — 220)

Youth’s sense of values and friendship style
Manabu MINAMI (221 — 227)

Current situation of food education at kindergarten and nursery school in Mie Prefecture
Yoshie NARUKAWA, Yuka ISOBE, Rika SUZUKI, Shizuka KATO (229 — 234)

Is the egg of the dinosaur reality?
— Fluctuation with imagination and the reality in preschoolers —
Shohei TOMITA and Ayano KONDO (235 — 244)

Development of Wood Working Teaching Materials about Horn Type Speaker for Technology Teacher-training
Yoshifumi SUZUKI, Kin’ya MATSUMOTO and Yasumasa NAKANISHI (245 — 249)

Teachers’ Position in Combined Classes
— For Monitoring Children’s Activities —
Takayoshi SASAYA (251 — 257)

A Consideration of Subjective, Interactive, and Deep Learning in Physical Education
Noboru OKANO and Makoto AOKI (259 — 266)

Meta-teaching English as a Second Language with Future Elementary School Teachers
Kent SCOTT and Mitsuaki HAYASE (267 — 277)

Academic Help-Giving and Attitudes toward Help-Giving of the High School Student
— Construction of the causal model about Achievement Goal Orientations and Perceptions of Competence —
Takashi YOSHIDA and Hitoshi MATSUURA (279 — 289)

Case Study of qualitative changing in Baseball Game as Team Tag Competition
Takahiro KANO and Tomohiro INAGAKI (291 — 298)

Development of communication training program for beginning teachers
— "Status" as one of the methods of improvisational theatre —
Yurie SONOBE (299 — 311)

Utilization of the interactive simulation PhET in science classes of primary and lower secondary schools
Hiroto KUNINAKA, Akira OGISHA, and Taichiro GOTO (313 — 318)

On the Meaning and Issues of Treating ‘Sexual Behavior as Pleasure’ in Sexuality Education
Toshiaki SATOU (319 — 335)
To Realize the Inclusive Education System
— Support for School Enrollment and Preparation of School System for Disabled Children —

Akihiro Takata (337 — 339)

The Education of the Child Care Support from a point of view the Child Care Nursing Training

Susumu Sunaga (341 — 347)

Structure of the content of the unit and teaching methods that fosters qualities and abilities
— Through analysis of “Let’s make miso soup” —

Yoko Maeno, Chiaki Wakebe, Tokiko Okuyama, Yuka Isobe and Toshiko Yoshimoto (349 — 359)

Essential sketching of music ~ From the viewpoint meaning ~

Mariko Obata (361 — 365)

Ann Lieberman on Professional Learning Communities

Yasuyuki Oda (367 — 381)

Educational Practice

Practicing consideration about the continuation type parent-child movement play:

Through making of “parent-child play pocket diary”

Noboru Okano, Takahiro Kano, Hiroshi Ueyama

Yasuhiro Yamada, Akihito Tsuji and Mikio Maeda (383 — 394)

A Report on the Application of PDCA Cycles to Educational Practices for Statistics Classes in High School

Eri Yamada, Nobuaki Tanaka and Masakazu Tamashiro (395 — 402)

Development and practice of educational program around automobile industries collaborating with Suzuka circuit

Kin’ya Matsumoto, Yasuhiro Yamada, Hitoshi Matsura

Sayaka Moriyama, Hiroshi Kitora and Asami Shima (403 — 412)

Change of recognition through interactive assessment activities
— For undergraduate students of academic writing —

Michiyo Harata (413 — 427)

Educational Supports to Children with Severe Motor and Intellectual Disabilities for Object Manipulations

Takumi Hamada and Toshihiko Kikuchi (429 — 434)

Practical Application of CLT, TPR and Phonics Theories in Conjunction with Hi, friends! 1 and Hi, friends! 2

Kent Scott and Mitsuaki Hayase (435 — 443)

A Case Study for Improving Teaching Abilities of Young Teachers
— Research on the Effectiveness of the Approach from the Perspective of Universal Design —

Toshihiro Amano (445 — 451)

Promotion aimed at preventing bullying cooperated with family, school, and community:
— A preventing bullying project with solution focused approach —

Ayafumi Goto and Minako Seto (453 — 459)

Digital Storytelling by Chinese JFL (Japanese as a Foreign Language) Learners based on Multimedia Learning

Yan Zhao and Hitoshi Susono (461 — 466)

Practice of Output-oriented Learning and Multimedia Learning

Hitoshi Susono, Maho Ninomiya and Yan Zhao (467 — 473)
Applying Cognitive-behavioral Therapy to Psychoeducation: Through Practice on Integrated Japanese Language in High School .............................................................. Mari SAWAGUCHI and Minako SETO (475 — 481)

Class of Teacher Training Course Using the Scenario of Problems among Students in the Classroom .............................................................. Masafumi OBINATA (483 — 490)

Smooth-connected English Education for elementary and middle school students .......................................................................................... Maki HAGINO and Hitoshi SUSONO (491 — 494)

School management practices, which established a special guidance classroom to support the special education children — Resource Room Using Principal’s Discretionary Rights — .................................................................................................................. Masaaki TANABE (495 — 503)

Leadership of Principal in Creating School: A Case Study 2- from the viewpoint of “Broken Windows Theory” .................................................................................................................. Yasuyuki ODA (505 — 512)

Formative and summative assessment for students’ Scratch projects ............................. Eri ONO and Hitoshi SUSONO (513 — 520)

Reality and Issues of the Core Subjects in Graduate School of Education — A Study of the Questionnaire Survey on “A Seminar to Solve the Educational Problems in the Area” — .................................................................................................................. Miho TOBIOKA (521 — 529)

The subject of the teaching competence of the first term-of-teacher and development of supportive tool (Rubric) for solving problem ........................ Takeo MORIWAKI (531 — 539)

Effects of motivation and social skills to learning behavior at cooperative learning — From the perspective of group differences — ........................... Yoshifumi NAKANISHI, Fumiyo NAGAHAMA, Tomoko SHIMOMURA

Sayaka MORIYAMA, Hisaharu OKUDA, Sachio YOKOYA and Takatoyo UMEMOTO (541 — 546)

Practice of Jigsaw Learning in Robotic Manufacture Training Camp and the Effectiveness of Verification .................................................................................................................. Akio OZUMI, Ryoma NAKANISHI (547 — 554)

The Class of "Expression" Content involved in Collaboration between Academic Fields — Making Paper Puppet Theater — Mariko YOSHIDA, Keiko IWATSUKI and Mariko OBATA (555 — 564)