

Contents

Natural Science

The stability of the red pigment from king tut purple (Tutankhamen) peas	
..... Yuka ISOBE, Nao ISHIMARU, Wakana MIZUTANI and Madoka HIRASHIMA	(1 — 5)
A Security Method to Check Suspicious E-mail	..... Kazunori YAMAMORI (7 — 14)
An experiment for the third-order rainbow using rainbow beads	..... Yusuke KOBAYASHI and Hiroto KUNINAKA (15 — 20)
Relationship between comfort evaluations of garment and body measurements for activity of daily living of adult females	..... Tomoe MASUDA and Kana HIRANO (21 — 30)
Forced Oscillation of an Inverted Elastic Pendulum	..... Yoshikazu MAKIHARA and Hiroto KUNINAKA (31 — 38)
Changes in crystal structure and hydrogenation characteristics by Li substitution for the Ni site of Laves phase ($\text{Ca}_{0.32} \text{Mg}_{0.68}$) Ni_2 hydrogen storage alloy	..... Hiroki TAKAYAMA and Yoshikazu MAKIHARA (39 — 47)

Humanities

Spatial Use of Historical Landscape in Seki Town, Kameyama City, Mie Prefecture, Japan	..... Takumi ISONO and Tomohiro UETE (49 — 59)
Roles of Local Contents in Ichinomiya City, Aichi Prefecture, Japan — A Case of Loose Character (Yuruchara) ‘Ichimin’ —	..... Motoaki OHNO and Takumi ISONO (61 — 73)
A Research on Paintings by Shoha Ito	..... Yasuhiro YAMAGUCHI (75 — 86)
Malebranche and Berkeley: Two Different Approaches to the Metaphysics of Causation	..... Hiroto AKIMOTO (87 — 116)
On the semantic change of the verb of carrying <i>tsuru</i> in the northern and central areas of Mie Prefecture	..... Ken YO (117 — 125)
“Ebi-fry” and “Embi-fry” in Miura Tetsuo’s “Bonmiyage” : Study on literary teaching materials by applying Text-critique	..... Takashi WADA (128 — 138)

Social Science

- A Study on “School as a Team”: Perspectives from Organizational Theory Yasuyuki ODA (139 – 148)
- Beitrag zum Aufbau des neuen Erziehungsprogramms für politische Bildung in Japan Junji MAHARA (149 – 173)
- Hearing people’s understanding of difficulties faced by people with mild hearing loss
— Hearing people’s experiences and perspective-taking —
..... Yasuyuki NABATA, Ritsuko NABATA, Tokika KURITA and Noriko KATSUYA (175 – 185)
- Effect of the communication with “Chara (character)” for interpersonal relationship in groups
..... Kaho AKIYAMA and Hitoshi MATSUURA (187 – 197)

Education

- Relevance of Workshops in New Education-oriented Schools
- Change of “Openness toward Society” in the Context of Vocational Training —
..... Toshiko ITO (199 – 208)
- Possibility of using improvisational theatre for teacher training based on narratives from teacher educators
..... Yurie SONOBE (209 – 220)
- Discussing why and how to introduce ‘life and death’ into school curriculum and teacher training curriculum
..... Toshiaki SATOU (221 – 237)
- Teachers Developments by an intra-class Evaluation.: Methods with Movie Data Takayoshi SASAYA (239 – 245)
- Design for teaching profession class intends to face with essence of learning
..... Sayaka MORIYAMA and Kin-ya MATSUMOTO (247 – 253)
- Relationship between experience, license and expertise on special needs school for the visually impaired
..... Takeshi ODAGIRI, Miku TANAKA, Kohei MORI, Jin UEDA and Atsushi TANAKA (255 – 261)
- A Study on Growth and Health of Children V Susumu SUNAGA, Satoshi AOKI, Norio HOTTA (263 – 268)
- Development of an iPad picture-movie application “Kumata” for children based on Multimedia Learning
..... Hitoshi SUSONO and Eri ONO (269 – 274)
- The Involvement in Schools by Parents with Difficult Circumstances and the Transformation of Their Attitudes
— Based on Interviews with a Mother Who Faces Difficulties Due to the “Characteristics” of Her Child —
..... Masafumi OBINATA (275 – 283)
- Reexamination of Citizenship Education — Based on the Concept of “the Social” —
..... Kohei SATO and Masafumi OBINATA (285 – 299)
- A Consideration on the Difference in Concept of “Unit Quantity” and “Quantity per Unit”
..... Masaharu NAKANISHI (301 – 311)
- A Study of Professional Schools for Teacher Education
— Exploring the Direction of Improvement based on the needs of the Elementary school site —
..... Toshihiro AMANO (313 – 319)

- Individual differences variables in enhancing the Orientation toward Social Critical
— Clustering by the Hedonic and Eudaimonic Motives for Activities Scale — Manabu MINAMI (321 — 326)
- The influence of a fantastical being on preschooler's actual moral behavior
..... Shohei TOMITA and Yuka KAI (327 — 335)
- Pursuing the Origin of "Deep Learning" in Proactive, Interactive, and Deep Learning
..... Takashi MINESHITA and Yasuyuki ODA (337 — 350)
- Development of a one-tap teaching application that enhances the ability of children
with profound multiple disabilities to make independent decisions.
..... Kyoko KITAMURA and Toshihiko KIKUCHI (351 — 355)
- The role of occupational therapy for consultation to special needs education
..... Takumi HAMADA and Toshihiko KIKUCHI (357 — 365)

Educational Practice

- Using iPad App "Kumata" at Junior High School to Facilitate Self-Expression in English
..... Maho YAMANAKA, Hitoshi SUSONO, Eri ONO and Ayami NISHIDA (367 — 371)
- The effect of reporting the regional issues to a foreign country in integrated study as education for sustainable
development: from a viewpoint to enhance the awareness of social participation
..... Shigefumi NAGATA (373 — 380)
- Effectiveness and verification of teaching creation using peer review in high school subject
..... Michio KAKUTANI and Takeo MORIWAKI (381 — 390)
- Educational approaches to a person with SMID who needs intensive medical care using vital signs.
..... Toshihiko KIKUCHI and Ayano ITO (391 — 396)
- Children's co-Regulated Learning Process by co-Determination: in a Combined Class
..... Takayoshi SASAYA (397 — 405)
- A case study on the spontaneous formation of moral values in the elementary school social studies
— From Yanagitani teacher-led five-year student practice and Ishida teacher-led third-year student practice —
..... Norifumi ICHIKAWA (407 — 418)
- Practice and Research Pertaining to Creating a school that fosters cultures of leaning
..... Noriaki WAKABAYASHI, Masayo OKAMOTO and Noboru OKANO (419 — 429)
- Development of "teacher's view points" and change of educational practice
— from 4 teacher's class observations and interviews of life history —
..... Takeo MORIWAKI, Michio KAKUTANI, Natsu FUKUNAGA, Yasuko KOMIYA, Etsuko MAKINO,
Ayami NISHIDA, Yuki YOSHIMURA, Marin URAGUCHI and Kazuki YOSHIKAWA (431 — 438)
- Scratch Programming at elementary and junior high schools in the Mie Higashi-Kishu area
..... Hitoshi SUSONO, Eri ONO, Maki HAGINO and Kazuyoshi ENOMOTO (439 — 446)

Practices of Rubric Design for Students' Self-Evaluation in Physical Education Classes	Takuya SUGINO and Takayoshi SASAYA (447 — 455)
Producing and Presenting short picture-movies by elementary students to use iPad application "Kumata"	Hirokazu SEKO and Hitoshi SUSONO (457 — 462)
Unique Theory and Common Theory in School Teachers; Recognition of the Teachers who Cope with the Problems 2	Kenichi SETO (463 — 474)
Natural Use of English in Japan	Mitsuaki HAYASE (475 — 484)
Designing and implementing the combined-class curriculum for English in Higashikishu	Eri ONO, Hitoshi SUSONO, Maki HAGINO and Kazuyoshi ENOMOTO (485 — 490)
A Case Study of the Supervisor of School education — Role of the Supervisor in School improvement —	Toshihiro AMANO (491 — 496)
A Study on Developing Mathematical Thinking in an Elementary Class : Through Mathematical Consideration about Changes of Phenomena	Nobuaki TANAKA and Mami KAMIYA (497 — 505)
A formation of community schools — The Case of Minamigaoka Elementary School, Tsu City —	Masaaki TANABE and Naoto ITO (507 — 517)
The Significance of Advanced Educational Practitioners and Pre-service Teachers Learning Together — Reality and Issues of "A Seminar to Solve the Educational Problems in the Area" in Division of Advanced Practice for Professional Teachers and School Leaders —	Miho TOBIOKA (519 — 526)
Educational Research on the Appreciation of Calligraphy — the Changes of Students through the Appreciation —	Asako HAYASHI (527 — 534)
Study on Making Things in Life Environment Studies Based on Flow Theory	Akio UOZUMI and Hiroka YAMAGUTI (535 — 544)