

**STUDIES IN
TEACHING STRATEGIES
IBARAKI UNIVERSITY**

Vol. 31, November 2012

CONTENTS

| | | |
|--|--|-----|
| A Survey of Systematic Errors in Statistical Judgment..... | Yuichi OGUCHI | 1 |
| The Variable-Operational Simulation Teaching Strategy..... | Yuichi OGUCHI | 17 |
| Misjudging the Relationship between Shape and Standard Deviation When Reading a Histogram | Yuichi OGUCHI | 33 |
| A Study of Mathematical Modeling to Facilitate Higher Education | Satoshi KIMURA and Yuichi OGUCHI | 47 |
| Consideration about the Teaching Method for “Weather Change” on Grade 5: Issues to Utilize a Low Pressure for Teaching Material and Learning Activities Using Integrate Meteorological Information | Toshiaki NAKABAYASHI and Katsuhiko YAMAMOTO | 61 |
| Developing a Verbal Method for Art Education | Kazuo KANEKO, Aya KOGUCHI, Yumi SUMIYA and Atsuko SUZUKI | 75 |
| Elaborating on the Verbal Method for Art Education: Verbalization of Expression and Theme | Kazuo KANEKO, Tomoko NAKAGAWA and Yoko ARITA | 91 |
| Clues to the ITSUKUSHIMA-Shrine in Ibaraki Prefecture: Researching Teaching Material for Appreciation of the Construction of the Shrine..... | Tomomi INOUE and Yasue KOHNO | 105 |
| Education for Sustainable Development as Part of a Home Economics Teacher Training Course | Yukiko SATO | 121 |
| An Analysis of Life Planning Education as Taught under the Home Economics Curriculum in Senior High Schools | Yukiko SATO and Miyuki YAGUCHI | 131 |
| Developing Teaching Material for Consumer Safety Procedures to Be Followed before and after Cooking | Kikuko YAMAMOTO | 139 |
| Developing Teaching Material for Consumer Safety Education in the Use of Heating Instruments | Kikuko YAMAMOTO and Ayana YAMAZAKI | 151 |
| Development of Lesson Design of Home Economics at Primary School Teacher Training | Kikuko YAMAMOTO and Asako SATO | 167 |
| Measuring Air Permeability Using a Syringe as Part of Homemaking Education | Kazuko TAGAMI, Asako SATO and Kikuko YAMAMOTO | 183 |
| Effects of Corrective Feedback and Learners’ Proficiency Levels on Japanese Junior High School Students’ Accuracy in the Use of English Past Tense Forms..... | Naomi NISHIO and Shin’ichi INOI | 191 |
| A Study on Creating an Information Board Prior to Practical Training for Yogo Teachers..... | Fukumi SAITO | 203 |

(to be continued)

| | | |
|---|---|-----|
| A Study on the Mental Health of Children: with a Focus on Teachers' Understanding | Eri NARITA and Fukumi SAITO | 213 |
| Research on Apprentices' Recognition of Health Consultation Practices: before and after Changes in Practical Training for Elementary and Junior High School Yogo Teachers | Hiromi SUZUKI, Fukumi SAITO, Toshie HIROHARA and Kenji ISHIHARA | 227 |
| Using a Wiki in Teacher Training: Improving Teaching Ability through Presentations | Ayaka MIGISHIMA and Toshiaki HONDA | 239 |
| Perceived Competence in Sport and Exercise, Physical Fitness, and Motor Skills Among Primary School Children | Aya NAKAYAMA, Akira MATSUZAKA and Satoshi YOSHINO | 255 |
| The Effect of Self-Narratives in Group-Work Among the High School Students Facing Educational Difficulties | Keiko FUKAYA and Hiroto MARUYAMA | 263 |
| A Study on the Psychological Effect of Group Work Based on Comparisons between Structured Group Encounters and Improvisation..... | Haruhiko SHOBO | 279 |
| A Study of the Congruence Aspect of Supportive Response: Based on a Comparison Between an Experienced Counselor and a Beginner..... | Taiki SUZUKI and Haruhiko SHOBO | 293 |
| Analyzing how Children with a Chronic Disease Live with the Illness..... | Satomi KIKUCHI and Eiko MORIYA | 307 |

Published by the Center for Educational Research and Training

Faculty of Education

Ibaraki University

Mito, Ibaraki Prefecture

Japan