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CONTENTS

1. Influence of Smasse Teaching Approach on Secondary School Students' Achievement in Biology In Bomet Sub-County, Kenya 1-8
Richard K. Mutai, Joseph M. Wamutitu & Samuel W. Wachanga
2. Effectiveness of 5e's Instructional Model on Achievement of Mathematics 9-15
Maganlal S. Molia
3. Psychological Resilience of Secondary School Teachers With Respect to the Gender 16-20
Anil K.R. & K.S. Sajan
4. Yogic Interventions in Positive Health 21-28
Gurneet Kaur & Amandeep Singh
5. A Study of Mental Health of B.Ed. and M.Ed. Students in Relation to Gender, Locality, Stream, Economical Status and Society 29-36
V.S. Rathore & Geet Chawla
6. Substance Abusive Behavior among Drivers in Lucknow City 37-42
D. Shailja, K. Sharmila & Sunita Mishra
7. A Study of Social Maturity of Adolescents of Working and Non-Working Mothers 43-52
Harendra Singh
8. Usage of Information and Communication Technology in Higher Education for the Visually Impaired Students 53-58
Ananya Ghosh Roy

Influence of Smasse Teaching Approach on Secondary School Students' Achievement in Biology In Bomet Sub-County, Kenya

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ABSTRACT

Science subjects are the backbone of the scientific and technological advancements in the world. In Kenya, science teaching in secondary schools is seen as one of the ways of enabling the country achieve her scientific and technological development and thus realize Vision 2030. Performance in science subjects in secondary schools in Kenya has been below average. The poor performance in the national examinations has been attributed partly due to poor teaching approaches employed by teachers in the delivery of the subject content. In an attempt to address the poor performance, the Strengthening of Mathematics and Science in Secondary Education (SMASSE) teaching approach was introduced in the teaching of Biology in Bomet Sub-County in 2004. However, it is not clear how this approach is affecting students' achievement in the subject. This paper therefore examined the influence of SMASSE teaching approach on students' achievement in Biology in Bomet Sub-county. Causal-Comparative research design was used to guide the study in this paper. Data was collected from 20 Biology teachers who were randomly selected and participated in the study. The research instrument used was Teachers Questionnaire on Students' Achievement in Biology (TQSAB). The research instrument was validated by experts in the Department of Curriculum, Instruction, and Educational Management of Egerton University. Piloting was done in 4 schools in Sotik. Sub-County. Cronbach's alpha coefficient was used to estimate reliability coefficient of TQSAB which was found to be 0.7231. Descriptive and inferential statistics were used in the analysis of data. Means, standard deviations, regression analysis (R^2) and t-tests were used in data analysis. All the statistical tests were subjected to a test of significance at coefficient alpha (?) of 0.05. The findings of the study showed that SMASSE teaching approach positively influences students' achievement in Biology. The findings of the study may be used by Quality Assurance and Standards Officers (QUASO) and teachers in decision making and giving informed decisions to education stakeholders on issues related to Biology Education.

Key words: Smasse Teaching Approach, Secondary School Students, Achievement & Biology

Effectiveness of 5e's Instructional Model on Achievement of Mathematics

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ABSTRACT

The present study is experimental in nature. The following were the objectives of the study (1) To construct 5e's Instructional Model of Mathematics in Primary School, (2) To study the effectiveness of 5e's Instructional Model on Achievement of Mathematics in Primary School boys and (3) To study the effectiveness of 5e's Instructional Model on Achievement of Mathematics in Primary School girls. The students studying in Gujarati medium primary schools in Gujarat was considered as population of the study. The investigator were selected sixth standard students of two primary schools in Mota-vadala as sample in which one boys and one girls. The two groups of boys were formed for experiment. Twenty students were selected for experimental group as well as control group. Similarly separate two groups of girls will also select for the same treatment. Hence 40 sample students were selected for experimental purpose. Experimental type research method was used. The investigator selected True-experimental design namely "Randomized two group post-test only experimental design". In the present study the investigator constructed standardized Achievement test of Mathematics was used. To find out significant of difference between scores on Achievement test of Mathematics of two groups, statistical technique t-test was used. For that M and SD of Achievement of Mathematics scores on post-test (Achievement test of Mathematics) of both groups were calculated. The study revealed that (1) The boys of FIM-group is more effective than CM-group after 5e's Instructional Model with reference to Achievement of Mathematics and (2) The girls of FIM-group is more effective than CM-group after 5e's Instructional Model with reference to Achievement of Mathematics.

Key words: 5e's Instructional Model

Psychological Resilience of Secondary School Teachers With Respect to the Gender

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ABSTRACT

Psychological resilience is an individual's ability to successfully adapt to life tasks in the face of social disadvantage or highly adverse conditions. It is one's ability to bounce back from a negative experience with competent functioning. Since teaching is a profession and it needs skills and competency, Psychological Resilience for teachers is a must. A teacher needs to be active and he should act according to the demands of the circumstances. A teacher has to face many adverse situations and to find effective solutions, only a resilient teacher can deal with these situations

Keywords: Psychological Resilience, Secondary School Teachers

Yogic Interventions in Positive Health

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ABSTRACT

Yoga is an ancient Indian practice and all ancient scriptures including the Vedas have accepted the importance of yoga. Yet despite of its popularity the Origin of yoga remains shrouded in mystery. The word yoga is derived from the Sanskrit root yuj meaning to bind, join, attach and yoke, to direct and concentrate one's attention on, to use and apply. Yoga is a type of exercise in which one move one's body into various positions in order to become more fit or flexible, to improve breathing, and to relax mind. The people cured their problem of constipation headache high blood pressure asthma Immune system improved by doing regular yoga.

Key words: Yoga, Positive health, Disease, Regular Practice

A Study of Mental Health of B.Ed. and M.Ed. Students in Relation to Gender, Locality, Stream, Economical Status and Society

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ABSTRACT

The present study was aimed to investigate the mental health of M.Ed. and B.Ed. students in relation to gender, locality, stream, economical status and society. A sample of 200 M.Ed. and 400 B.Ed. students were taken from colleges across Rohilkhand region. The Mental Health Inventory (MHI) by Dr Jagdish and Srivastava was employed for the purpose. The data collected was analysed using mean, S.D and t tests. The findings revealed that the students were in a state of positive mental health with mean mental health score of 156.55. The results also revealed that the variables gender, stream of study and society had no impact on mental health of students. However, locality and economical status showed an impact on the mental health of students. The influence and intervention of the institute, society, family, peers and lifestyle management by students themselves was seen to be influential factors in maintaining and improving upon the mental health.

Key words: Mental Health, Lifestyle Management, Gender, Stream, Locality, Economical Status, society.

Substance Abusive Behavior among Drivers in Lucknow City

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ABSTRACT

Globally drug is any chemical substance which when taking into body interact with tissue to modify the biochemical process of the body. Some of drug exerts major effect on the body or brain causing (sleeping) stimulation which in change of mood and behavior. To assess the substance abusive behavior among male drivers in Lucknow City. Community base descriptive study which employed quantitative approach was conduct on substance abuse among drivers 17 Jan to 30 May 2018. Structured questionnaire was used to measure the magnitude and associated factors for substance use on the total sample size of 50 in Lucknow city, followed by face to face interview to establish a relationship between what is the questionnaire and responses from the interview. The literature of review revealed that among drivers, substance abuse occurs as part of cluster of problems and abusive behaviors. Predisposing behavior tendencies, majority of 30% loss of control, 22% asking for money from spouse/ parents and fight with their spouse/parents, 20% lying, 16% stealing, 12% skin- picking or hair- pulling. Involvement in fights, lying, and criminal activities were observed to be closely associated with the substance abusive behavior.

Key words: Substance Abuse, Abusive Behavior, Drivers, Lucknow City

A Study of Social Maturity of Adolescents of Working and Non-Working Mothers

Harendra Singh

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ABSTRACT

The present high rate of employment of mothers outside the home, may introduce certain factors that give the child a feeling insecurity and helplessness. The youngest child, according to a study by Raumann, in the family of a working mother tends to substitute fantasy for real life achievement and to take a cordial relationship with people. He also found that in homes where there is a working mother, the child is likely to lack a sense of personal freedom and experience emotional tensions.

Key words: Social Maturity, Adolescents, Working & Non-working mothers.

Usage of Information and Communication Technology in Higher Education for the Visually Impaired Students

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ABSTRACT

Every aspect of our culture is influenced by technology today. In the field of education, ICT has begun to have a presence but the impact has not been as extensive as in other fields. In education, the use of ICT lends itself to more student-centered learning settings and often this student-centered learning setting in the absence of traditional classroom teacher creates some tensions for few teachers and students. In this study an attempt is made to find the level of awareness of the usage of ICT of the visually impaired students in higher education. The study was conducted on the visually impaired students of Guwahati (Assam). The sample of the study consisted of 100 students. The technique of simple random sampling was used for selecting the sample. Self developed questionnaire was used for collecting the data. Focused group discussion was used for finding out the student's knowledge and skill towards the use of ICT. The result shows that the students are using ICT if the facility is available to them. Several suggestions have been made to enhance the usage of ICT in learning process in college.

Key words: Information and Communication Technology (ICT), Special Education, Level of Awareness, Assistive Technology (AT)

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