

दिव्यांगजनों का सामाजिक पुनर्वासन
एक समाजशास्त्रीय अध्ययन
(Social Rehabilitation of Disabled People
A Sociological Study)

सम्पादक

प्रो. जयशंकर प्रसाद पाण्डेय

प्रो. अनिल कुमार मिश्रा

प्रो. राजीव कुमार

सह-सम्पादक

डॉ. हेमलता सांगुड़ी

दीपिका वर्मा



विकास प्रकाशन, कानपुर

10. दिव्यांगता से ग्रसित अत्राओं का एक समाजशास्त्रीय अध्ययन
प्रतिमा सिंह, डॉ. प्रतिमा सिंह जगदीप दिवाकर 118
11. दिव्यांगता का टंग ड्रंलती नारी की पीड़ा :
ज्यां मेंहदी कां गंग उपन्यास के सन्दर्भ में
मंजू चौरसिया 123

खण्ड-2

1. Challenges in Social Inclusion of the Disabled
Abhay Chauhan & Shanti Suman 131
2. Role Of Social Media in Social Inclusion and
Self- Reliance of Disabled People 140
Deepika Verma, Prof. Rajiv Kumar
3. Intersecting Marginalities: Challenges and
Pathways to Societal Integration of Women
with Disabilities in India 148
Palak Gupta, Dr. Anil Kumar Mishra
4. Social Inclusion and Accessibility:
Challenges faced by college students
due to disability 161
Vipul Dwivedi, Prof. Anil Kumar Mishra
5. Bridging the Gap: Addressing the Persistent
Socio-Economic Marginalization of Persons
with Disabilities 170
Archana Mishra
6. Indian Society & Divyangjan : A Sociological Study 176
Dr. Deepali Saxena
7. Role of NGOs in Social Rehabilitation of
Disabled in India 188
Dr. SabaYunus, Ms. Tahreem Arshad
8. Susan Wendell's "The Social Construction
of Disability : A Critique 192
Dr. Seema Nigam
9. Impact of Vedic Mathematics on physically
disabled children 206
Dr. Neeti Singh

अनुक्रम

- | | | |
|----|---|-----|
| 1. | दिव्यांगों के वैवाहिक चयन के मानदंडों एवं उनके वैवाहिक जीवन का अध्ययन | 19 |
| 2. | आरसी प्रसाद झा
दिव्यांग पुनर्वास परियोजनाओं का कार्यान्वयन एवं मूल्यांकन | 36 |
| 3. | डॉ. हेमलता सांगुड़ी, शेर बहादुर सिंह
मंदबुद्धि (बौद्धिक मंदता) बालकों की अक्षमता : एक व्यक्ति वृत अध्ययन | 52 |
| 4. | मोनिका राठौड, लोकेंद्र सिंह शेखावत
दिव्यांगता: प्रमस्तिष्क प्रघात से ग्रसित बच्चों एवं उनके अभिभावकों पर पड़ने वाले प्रभाव | 62 |
| 5. | जूली देवी, प्रो. मणीन्द्र कुमार तिवारी
समावेशी शिक्षा के द्वारा कौशल निर्माण की पहल | 75 |
| 6. | प्रो. स्वाति सक्सेना
मानसिक विकलांगता एक अदृश्य और गंभीर विकृति : एक समाजशास्त्रीय अध्ययन | 83 |
| 7. | दीपिका श्रीवास्तव
सम्मानजनक जीवन की राह में सहायक कल्याणकारी योजनाएँ : एक विश्लेषणात्मक अध्ययन | 89 |
| 8. | हेमलता
समावेशित शिक्षा के द्वारा कौशल निर्माण की पहल
समान विकास का एक मार्ग | 102 |
| 9. | डॉ० रश्मि सिंह, अखिलेश कुमार
मूक बधिरता से ग्रसित बच्चों के अभिभावकों का एक समाजशास्त्रीय अध्ययन | 110 |
| | नैना शुक्ला, प्रो. जयशंकर प्रसाद पाण्डेय | |

9 Impact of Vedic Mathematics on physically disabled children

Dr. Neeti Singh

Abstract

Vedic Mathematics Is basically originated from ancient Mathematics of India between 1911 to 1918 by Indian Shankaracharya Bharti Krishna There are sixteen sutras and thirteen upsutras in Vedic mathematics. One can solve problems mentally with the help of Vedic Mathematics in few steps. Vedic Mathematics is strictly based on Mathematics and logical reasoning. Vedic Mathematics enhanced rational and logical calculation of physically disabled children. one can improve the spatial and logical thinking of physically disabled children. Conventional method of teaching mathematics takes more time than Vedic Mathematics .The present paper is an attempt to examine the efficiency of Vedic mathematics practice on physically disabled children. The mean age of participants is 15.5 and participants are divided into two groups. One group underwent practice in Vedic Mathematics, the second group underwent conventional methods for teaching mathematics.

Keyword Physically disabled, Vedic Mathematics, Vedic Sutras, Urdhvatiyagbhyam, Nikhila Sutra,

Introduction The 16 sutras of Vedic mathematics can be applied to various branches of mathematics .Simple mathematical operations as division multiplication subtraction as well as trigonometry geometry calculus etc. are one of the few areas where these sutras can be applied

Efficiency Conventional method of these operations takes lot of operating time. Vedic Mathematics allow faster and more accurate mental calculation which strengthen mental health of children. By Dr D Y patil school of science and technology "Vedic Mathematics improve retention and concentration of children." "Vedic Mathematics encourage different approaches to solving the problem which enhance creativity and innovation in children. In this paper we reviewed various papers that used Vedic Mathematical sutras to enhance all over performance of children.

Sutras of Vedic Mathematics

Vedic Mathematics consist of 16 sutras and 13 upsutras to perform mathematical calculations.

1. Ekadhiken purvena
2. Nikhilam Navatacharama Dasatah
3. Urdhva tiryagbhyam
4. Paravartya Yojayet
5. Sunyama samyasamuchaye
6. Sunyamanyat
7. Sankalana byavakalamnabhyam
8. Puranapurabhyam
9. Chalana -Kalanabhyam
10. Yavadunam
11. Vyastiamastih
12. Sesanyankena Caramena
13. Sopantyand vayamantyan
14. Ekanyunena purvena
15. Gunetasamuccdyan
16. Gunakasamuccayan

principaelresent paper the following 5 sutras are selected according to need of the research.

1. Nikhilam Sutra: In this method numbers can be multiplied which are close to the power of 10.

208 : Social Rehabilitation of Disabled People A Sociological Study

95×97 (both the numbers are very close to the power of 10)
 95×97
 100 - 95 = 5 100 - 97 = 3
 97 - 5 = 92. 95 - 3 = 92
 5 × 3 = 15

So 95×97 = 9215

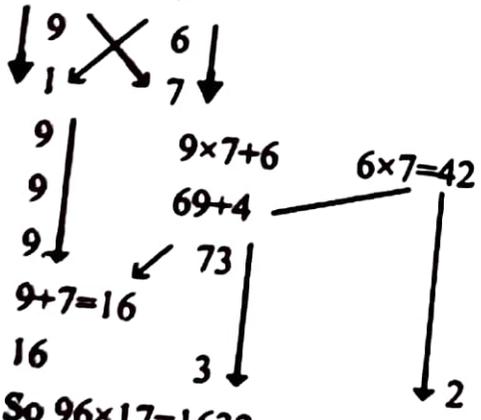
2. Ekadhikena purvena : By one more than the previous one.

35² = 1225
 One more than previous one
 3+1 = 4. 3×4 = 12
 5² = 25

So 35² = 1225

3. Urdhva-Tiryagbhyam: Vertically and crosswise Algebraic principle: If two numbers are expressed in the form of CX+D and AX+B then the multiplication result is AC X² + X(AD+BC) + BD

96×17=?



So 96×17 = 1632

4 Yaavadunam : Square its deficiency, what ever the extent of its deficiency.

96² = (96 - 4)²

92 / 4²

= 9216 So the result.

5. Ekanyunena Purvena. Used for sums ending with 9

563×999. One less than one before

(563-1)(999-562) = 562437

Objective :

1. To study the five sutras of Vedic Mathematics.
2. To study the impact of training to physically disabled children.

Hypotheses

1. there will be no impact of 5 sutras of Vedic Mathematics on physically disabled children.

Sample : 30 physically disabled with average age 15.5 were selected as sample, from school of mook baghir children, Kanpur.

Experimental Design : Total number of students are divided into two groups one group is controlled (with conventional teaching) and second is experimental group. Two sets questionnaire on mathematics is prepared to test the achievement of students after the practice of Vedic Mathematics.

Data collection : By conducting a test before the training of Vedic Mathematics to experimental group and controlled group, a report is created. Then after practice of Vedic Mathematics to experimental group for 15 days, conducting another test of both the groups, another report is created.

Mean, standard deviation and t-value of experimental group

Table .1

Test	N	Mean	S.D.	t	Level of significance
Pre	15	15.7	9.98	- 5.327	0.05significant
Post	15	28.88	5.32		

From the above table, difference between mean of pre stage and post stage is

13.81. 't' value is found to be -5.327, which is significant at .05 level. Thus the hypothesis is rejected .So The practice of Vedic mathematics enhance the mental health of physically disabled children.

Table 2

Mean , standard deviation, and t-value of controlled Group

Test	N	Mean	Deviation	t	Significance level
Pre	15	13.68	5.28	-0.298	0.05 not significant
Post	15	14.42	5.49		

From the above It is clearly revealed that there is not remarkable growth in mental health of children of controlled group .since the t' Value is not significant at level 0.05.

Conclusion : The following conclusions are drawn from the research.

1. vedic mathematics enhance the calculating power of physically disabled children .
2. Vedic Mathematics enhanced inovative ideas and critical thinking of physically disabled children.

Reference

1. Kapoor,S.K.(2003) Vedic Mathematics skills
New Delhi: Lotus Press
2. Shukla A.K., Shukla R.P.,Singh A.P.(2017)A comparative study of effectriveness of teaching through conventional and vedic mathematics approach,educational quest Volume 8.
3. Jagadguru Swami Shri Bharati Krishna Tirth ji:Vaidik mathematics,
Motilal Banarasi Das publishers Private Limited Delhi.
4. Kothari D.S.(1966): report of Education Commission 1964 to 1966,Delhi
Ministry of Education.
5. Sumita Bose 2013 Vedic mathematics New Delhi V. S.Publication.