

## REFERENCES

## **REFERENCES:**

- (1) Ali, Azar; Sengulec, A. Ozlem (2011): Eurasian Journal of Physic & Chemistry Education. 2011, Vol. 3 Issue 1, p-43-50. Computer-Assisted and Laboratory-Assisted Teaching Methods in Physics Teaching : The Effect on Student Physics Achievement and Attitude towards Physics.
- (2) Anjaria, R. (1984): System Approach in the teaching of Science: An Exploration, unpublished Ph.D. Thesis,SGU.
- (3) Armstrong, H.E. (1930). The Teaching of Scientific Method and other papers on Education, London: Mack Millan.
- (4) Back, L.B, Bretz, S.L. and Towns, M.H. (2008): Characterizing the level of Inquiry in the undergraduate laboratory - Journal of College Science Teaching XXXVIII (1) 52-58.
- (5) Back,L.B.,Bretz,S.L.,and Towns,M.H.(2008): Characterizing the level of Inquiry in the undergraduate Laboratory-Journal of College Science Teaching XXXVIII(1),52-58.
- (6) Badola, N.(1980):A Comparative study of Lecture and Guided Discovery Method in the teaching of science-M.Ed. Dissertation, Tehri: Garhwal University Campus.
- (7) Begum,K.H.(1990);Problems of Teaching new Science Syllabus for standard – VII in A.P.and their impact on pupils’ Achievement-Ph. D. thesis 5<sup>th</sup> Survey of Educational Research(1988-92).vol-II.
- (8) Bhalwankar,A.G.(1983):A Study of effects of expository & Guided Discovery Methods of teaching Mathematics on the Achievements of Students of different levels of Intelligence.ph.D.Edn.Pune;1983
- (9) Bhattachary, P.C.(1979): “A critical study of Science Education in Assam and Meghalaya Schools” Ph.D. Thesis,Education,Gauhti University,1979.

- (10) Bhuyan, S. (2004): General Science Curriculum and its teaching in the Secondary Schools of Assam. An appraisal unpublished Ph.D. Thesis, D.U.2004.
- (11) Biology Teachers' Handbook (1970): Report of Biological Science Curriculum Study (BSCS). USA.
- (12) Brickman, P ; Gormally, C ; Armstrong ,N;. and Hallar, B. (2009): Effect of inquiry based learning on students' science Literacy Skills and Confidence: IJ-SOTL. Vol. 3 (2009), No. 2, Art. 16.
- (13) Bruner, J.S. (1961): The Act of Discovery, Harvard Educational Review, 31. 21-32
- (14) Buch, M. B.(1987): Third Survey of Research in Education, New Delhi, NCER
- (15) Carin, Arther, A. and Sund, Robert, E. (1975) Teaching Science through Discovery. Charles, E. Merrill Publishing Company.
- (16) CBSE: [Wikipedia,en.wikipedia.org/wiki/central\\_board\\_secondary\\_education](http://en.wikipedia.org/wiki/central_board_secondary_education) (access on 17.07.2016).
- (17) Chaudhury,V.(2005):Effectiveness of Lecture cum Demonstration Method over Lecture Method, Phycho –Lingua, Journal of Cognitive Information and Communication Processes.Vol.35,No.1,Janu.2005,;46-49.
- (18) Chang. C-Y & Mao, S.L. (2010): Comparison of Taiwan Science Students' outcomes with Inquiry-Group Versus Traditional Instruction.
- (19) COBSE (2007): Council of Boards of School Education in India, Conference Report, 2007, 20-21 April, Rishikesh, India.
- (20) Colburn, A. (2000) : A inquiry primer Science Scope 23 (6): 42-44.
- (21) Cooper, Dan, H.(1946): "Contributions of School Surveys of Educational Administration" in Encyclopedia of Educational Research.Ed.C.W.Harris,New York:The Macmillan Company,1960,p.1212.
- (22) Deopuria, R.P.(1984): A comparative study of teaching Science through Environmental and traditional approach in schools of Madhya Pradesh, unpublished Ph.D. Thesis, J.U.1984.

- (23) Dev, S.K.(1981): A Critical Study of the Methods of Teaching in the Secondary Schools of Nagaland, Ph.D.Thesis, Gauhti University.
- (24) Dewey, John. (1910): How we Think. Grove Press. Inc.
- (25) Fisher, R.A.,(1944):Statistical Methods for Research Workers Oliver & Boyd,Edinburgh,9<sup>th</sup> edition.
- (26) Flick, L.B. (1995): Complex instruction in complex classroom: A synthesis of research in inquiry teaching methods and explicit teaching strategies. Paper presented at the annual meeting of the National Association for Research in Science Teaching, San Francisco, CA.
- (27) Gage, N.L. (1969) Teaching Methods Encyclopaedia of Educational Research. Robert Ebel (Ed) London: MackMillon Co. 1446-1458
- (28) Gagne, Robert, M. (1958): The Conditions of Learning, New York: Holt, Rinehart and Winston Inc.
- (29) Gage, N.L. and Berliner, D.C. (1975) Educational Psychology, California, 574-578.
- (30) Garrett, H.E.(1981):Statistics in psychology and education.Bombay: Publishers Vakils,Feffer and Simons Ltd.
- (31) Gibson, H.L. & Chase, C. (2002): Longitudinal Impact of an inquiry based science programme on middle school student's attitudes towards science. <http://onlinelibrary.wiley.com/doi/10.1002/sec.10039/abs>.
- (32) Goel & Agbebi (1990): Learning Physics Through Lecture –Demonstration Method and Individualized Instruction Method .Initial Educational Review.Vol-25(4): p. 84-89.
- (33) Goyal, K.M.(1975):A Comparative Study of Lecture Method and Discovery Method on Science Teaching :M.Ed.Dissertation.Ajmer;RCE
- (34) Good, W.J.and Hatt,P.K.(1952):Methods in Social Research ,London: Mc Graw Hill Book Co.,p.133.

- (35) Haury, D. L. (1993): Teaching Science Through Inquiry: ERIC/CSMEE Digest Page-1-8, [www.eric.ed.gov](http://www.eric.ed.gov).
- (36) Heed, John, O. (1974) Methods and Techniques of Teaching. The Art of Science Teacher. STEP London; Mac Grow Hill 67-69.
- (37) Hofstein & Lunetta, Rev. Res. 52 (2), 201-217-1982. The laboratory in Science education: Foundation for the twenty first century.  
<http://onlinelibrary.wiley.com/doi/10.1002/Sec.10106/abstract>.
- (38) Hussain, A., Azeem, M. and Shakoor, Azra (2011): Physics Teaching Methods: Scientific Inquiry vs Traditional Lecture: International J. of Humanities & Social Science., Vol. 1 No. 19; Dec-2011, P-269-276.
- (39) ICSE: [Wikipedia,en.wikipedia.org/wiki/Indian\\_certificate\\_of\\_secondary\\_education](http://en.wikipedia.org/wiki/Indian_certificate_of_secondary_education) (access on.07.2016).
- (40) IGNOU, (2000) : Teaching of Science, Es-341 (1) Aravali Printers & Publishers Pvt. Ltd., New Delhi-11020 .
- (41) Kalita, Bhanita (2008): A study on the pupil's Academic Achievement in Science and Arts Stream of Higher Secondary Course during the period 2003-2007 with special reference to the H.S. schools of Greater Guwahati area, Dissertation, M.Phil. Gauhati University.
- (42) KKHSOU (2013): Teaching of General Science, D.El.Ed.(14-C),Krishna Kanta Handiqui State Open University.Assam-781006.
- (43) Khalick, A., Bousaoude, S., Duschl, R., Lederman, N.G., Naaman, R.M.; Hofstein, A., Niaz, M., Treaquist, D., Tuan, H (2004): Inquiry in Science Education:InternationalPerspectives.  
<http://onlinelibrary.wiley.com/doi/10.1002/Sec.10113/abs>.
- (44) Kilpatrick, W.H. (1918): The Project Method. Teachers College Record, Columbia, 319-335

- (45) Kohli, V.K.(1988): How To Teach Science, Vivek Publishers, Haryana, India.
- (46) Koul, Lokesh (1994): Methodology of Educational Research, Vikash Publishing House Pvt.Ltd. New Delhi.
- (47) Kour, M. (2006): A study on the effectiveness of Lecture cum Demonstration Method, Inquiry Method and Laboratory method in Teaching General Science at the Secondary Schools under CBSE course in Greater Guwahati — A comparative study, Dissertation, M.Ed, Gauhati University.
- (48) Kuslan, Louis, I. and Stones, A. Harris (1968), Teaching Children Science: An Inquiry Approach, California: Wordsworth Publishing Co.
- (49) Kulkarni, S.S.MohanLal, and C.A.S.Naidu (1968): All India Survey in Mathematics Achievement: Primary, Middle and High School Levels. New Delhi: NCERT
- (50) Kulshrestha, S.P. and Paricha, H. (2006): Teaching of Science, Dehradun, Surya Publication, Meerut – 250001
- (51) Malhotra, V.K. (988) : “Existing facilities of science teaching and construction of evaluation instruments for its supervision in different types of secondary School in Delhi”, Ph.D. Education, Delhi University, 1988.
- (52) NCERT; Science Education for the first 10 years of Schooling, New Delhi, 1987, 1992.
- (53) NCERT: Science Textbook for class X, Adopted by Board of Secondary Education Assam, 1913.
- (54) Rashtriya Madhyamic Shiksha Abijan(RMSA)-India:w.w.w.indg.in, April-2012
- (55) Report of Secondary Education Commission, (1952-53):Govt.of India, New Delhi.
- (56) Report of Education Commission, (1962-64): Govt.of India, New Delhi.
- (57) Report of New Education Policy, (1986): Govt.of India, New Delhi.
- (58) Report of Tara Devi Committee, (1956): Govt .of India, New Delhi.

- (59) Sharma, R.C.:(1980): Modern Science Teaching, Dhanpat Rai & Sons.,New Delhi.
- (60) Rai, B.C. (1987): Method- Teaching of Science. Publisher: Prakashan Kendra, Lucknow, India
- (61) Reller, Theodore L.(1942):“Shall we have a Status, Deliberation of Implementative Study of Our Schools?” in Encyclopedia of Educational Research .C.W.Harris,Ed.New York:The Macmillan Company,1960,p.1212.
- (62) Sarmah, S. C. (1992): “The standard of teaching Science in the secondary schools of Assam” Ph.D.Thesis, Education,Gauhati University.
- (63) SEBA: Wikipedia,[en.wikipedia.org/wiki/ secondary \\_education \\_board \\_of \\_Assam](http://en.wikipedia.org/wiki/secondary_education_board_of_Assam) (access on 17.07.2016).
- (64) Schwab, Joseph. (1962): The Teaching of Science as Inquiry. Harvard University Press, 3-103.
- (65) Siddique, N.N& Siddique,M.N.(1998):Teaching of Science Today and Tomorrow, Doaba House,Delhi.
- (66) Sharma,L.M ;(2003): Teaching of Science& Life Sciences ,Dhanpat Rai Publishing Co.Pvt.Ltd., New Delhi.
- (67) Sharma, R.C. (1981): Modern Science Teaching, NCERT, New Delhi: Dhanpat Rai & Sons. Delhi.
- (68) Sharma and Walia, G.S. (1992): Teaching of General Science, Vinod Publication, Ludhinana
- (69) Sharma, R.C. and Shukla, C.S. (2008): Modern Science Teaching: Dhanpat Rai Publishing Co. (P) Ltd. New Delhi.
- (70) Skinner, B.F. (1954): The Science of Learning and Art of Teaching. Harvard Educational Review, 24, 86-97.
- (71) Sood, J.K. (1989) :New Directions in Science Teaching, Chandigarh, Kohli Publisher, 127-11.

- (72) Sood, J.K. (2005): Teaching Science for Undertaking and Application, R.I.E. NCERT, Ajmer: Publisher - Vinod Pustak Mandir, Agra-2
- (73) Suchman, R. (1966): Idea Book. Inquiry Development Programme in Physical Science Chicago: Science Research Associates.
- (74) Yadav,R.S.(1977) : A Comparative Study of Lecture Method ,Guided Discovery Method in Teaching of Science:M.Ed Disseatation,Ajmer:RCE.
- (75) UNESCO: Handbook for Science Teacher (1980).Paris:UNESCO,18-33.
- (76) UNESCO: Handbook for Biology Teachers in Asia, (1986). New Delhi: Pearl Offset Press. 69-86
- (77) USTM News Letter, July-September, 2014.
- (78) Voss, Burton, E. and Brown Stanely, B. (1968) Biology as Inquiry: A Book of Methods. Saint Louis: The C/v. Moshby Company. 58-77.
- (79) William, V. Mayer. (1970): Biological Sciences Curriculum Study. University of Colorado, USA.
- (80) Seach Engine: [www.google.com](http://www.google.com) , [www.wikipedia.org](http://www.wikipedia.org).