

BIBLIOGRAPHY

- Abdal-Haqq, I (1996). Constructivism in teacher Education: considerations for those who would link practice to theory (report No: SP 038284).district of Columbia: Clearing house on teaching and teacher Education (ERIC document reproduction service no: ED 426986) Adult Education Association of the USA (1960) understanding how groups work, Illinois, Chicago.
- Alexander, P. and Murphy, M (1994). The research base for APA's learner centered psychological principles" seminar paper at American Educational Research Association, New Orleans.
- Anderson, L.W. (1984). The effective teacher. New York: Mc Graw-Hill pub.com.205.
- Ann, J. (1994). An inquiry into the mathematics culture of a primary constructivist class room: An ethnographic description, The mathematics Teacher, 13(3), 51-58.
- Anthony. (1996). Active learning in a constructivist framework: Educational studies in mathematics, 31(4), 349-369.
- Babad, E. (1995). Teachers' pet phenomenon, students' perception of teachers' differential behavior and students' morale. Journal of educational psychology, 87(3), 361-374.
- Baughman, O.L. (1993). Fostering constructivism in an elementary mathematics class room: The mathematics Teacher, 9(3), 73-82.
- Berelson, B. and Gary, S. (1964). Human behavior: An inventory of scientific findings. New York: Harcourt, Brace world
- Beth, M. (2000).The quest for the constructivist statistics class room: viewing practice through constructivist theory. Journal of teacher Education, 35 (5), 109-121.
- Berg, L.B. (2007). Qualitative Research methods for the social sciences (6th ed.), New Delhi: Pearson international.
- Biggs, J. (1996).Enhancing teaching through constructive alignment, Higher Education, 32,347-364.
- Black, A. and Ammon, P. (1992) A developmental constructive approach to teacher Education, Journal of teacher Education, 43(5), 322-335.

- Bliss, J., Askew, M & Macrae, S (1996) Effective teaching and Learning: scaffolding revisited .Oxford review of Education, 22(1), 37-61.
- Bogdan, R.C. and Biklen, S.K. (2003) Qualitative Research for Education (4th ed.) .Boston: Allyn and Bacon
- Bonesetter, R.J. (1998).A constructive approach to science teacher preparation. From <http://tc.unl.edu/~rbonstetter/constru.html>.
- Brewer, J. and Hunter, A. (2008). Multi-method Research-A synthesis of styles, New Delhi: sage publications
- Brooks, M. and Brooks, j. (1999). In search for understanding: The case for constructivist classrooms. Alexandria, VA: Association for supervision and curriculum development
- Brown, J.D. (2006). Social psychology. New York: Mc Graw hill companies
- Bruner, J. (1964). The course of cognitive growth. American psychologist, 19, 1-15
- Cahill, P. (2002). Collaborative conversations: A systematic inquiry into students who struggle in school, Journal of teacher Education, 37 (3), 219-246.
- Casey, M.B. and Howson, P. (1993). Educating pre service students based on a problem centered approach to teaching. Journal of Teacher Education, 44(5), 361-369.
- Cattell, R.B. (1954). Factor analysis-An introduction and manual for the psychologist and social scientist. New York: Harper and brothers' publisher
- CBSE, Shiksha Kendra 2, community centre (2009). Teacher's manual on school based assessment classes IX &X.
- Charles, E.A. (Eds.) (1999). Value Education SA manual for Teachers. New Delhi: APH Publishing Corporation
- Christianson, R.G. and Fisher, K.M. (1999). comparison of student learning about diffusion and osmosis in constructivist and traditional classrooms. International journal of science Education, 21(6), 687-698.
- Clements.D.H. and Battista, M.T. (1990). Constructivist learning and teaching. Arithmetic Teacher, 75(2), 34-35.
- Claire, G. (2003) .Building a professional learning community in pre-service teacher Education: peer coaching and video analysis. Journal of teacher Education. 38 (2), 89-101.
- Clarke, D. & Hawthorne, L. (2008). The silent participant in small group collaborative learning contexts. Active learning in higher education, 9(3), 201-216.

- Clegg, F. (1982). Simple statistics-A course book for the social sciences .New York: Cambridge university press.
- Cobb, P., Wood, T., Yackle, E., Nicholls, J., Wheatly, G., Trigatti, B., et al. (1991). Assessment of a problem-centered second grade mathematics project. Journal for Research in mathematics Education, 22(1), 3-29.
- Cochran, K.F., and King, R.A. (1993). Pedagogical content knowing: An integrative model for teacher preparation, Journal of Teacher Education, 44(4), 263-272
- Cohen, L. Manion. L. and Moriison, K (2008). Research methods in Education. New York: Routledge Taylor and Francis group
- Crews,W. (2002). The use of collaboration and reflection in a paired student-teacher placement. Active learning in higher education, 2(3), 161-175
- Crowther, D.T. (1997). The constructivist zone under construction. Electronic journal of science Education, 2(2), 1-9. From <http://unr.edu/homepage/jcannon/ejse/ejsev2n2ed.html>.
- Dana, T.M., Campbell, L.M., and Lunette, V.N. (1997). Theoretical bases for reform of science Teacher Education. The Elementary school Journal, 97 (4), 420-430.
- Dawson. (2005). Practical research methods-A user friendly guide to mastering research techniques and projects.UBS publishers' distributors' pvt.ltd.
- Debora, L. (2002). The effect of a constructivist mathematics methods course on the level of mathematics anxiety in pre-service early childhood teachers. Journal of teacher Education, 37(5), 119-136
- Delihon, L.C. (1945). The encyclopedia of Education.London: The Mc Millan company and the free press.
- Denzin, N.K. and Lincoln, Y.S. (Eds.) (1994). Handbook of Qualitative Research. New Delhi: Sage publications
- Denzin, N.K. and Lincoln, Y.S. (Eds.) (2008). The landscape of qualitative Research. New Delhi: Sage publications
- Dollard, N., and Christensen's. (1996). Constructivist classroom management. Focus on Exceptional children, 29(2), 1-12.
- Dowell, L. (1980). The effect of a competitive and cooperative environment on the comprehension of a cognitive task. Journal of Educational Research, 73, 5-61.
- Dwivedi, R.S. (1997). Research methods in behavioral sciences. New Delhi: Macmillan India ltd

- Edwards, A.L. (1969). Techniques of Attitude scale construction .Bombay: Vakils, feffer and Simon's private ltd.
- Enydey, N. (2003). Knowledge construction and collective practice: at the intersection of learning, talk and social configurations in a computer – mediated mathematics class room .journal of learning sciences, 12(3), 361-407.
- Evans, K (2002). Fifth-grade students' perception of how they experience literature discussion groups. Reading research quarterly, 37(1), 46-49.
- Fairbanks, C & Freedman, C. (2000). The role of effective mentors in learning to teach. Journal of teacher education, 51(2), 101-112.
- Ferguson, P. (1999). A reflective approach to the methods practicum. Journal of Teacher Education, 47(2), 36-41.
- Flick,U.(2002). An introduction to qualitative research (2nd ed.). London: sage publications
- Fruchter, B. (1954). Introduction to Factor Analysis. Canada: the van Nostrand series in psychology
- George, D.and Mallery,P (2006). SPSS for windows step by step -13.0 update-A simple guide and reference .Delhi: pearson Education
- Good.T & Brophy, J (2000). looking in classroom (8th edition) New York: Addison Wesley Longman
- Good, C.V. (Ed.) (1945). Dictionary of Education (3rd Ed.)New York: McGraw –Hill book company, INC.
- Guest E. (2006). “Field methods” How many participants are enough?-An experiment with data saturation and variability.111-119.
- Guilford, J.P. (1971). Psychometric methods. New Delhi: Tata McGraw Hill publishing co.ltd.
- Hader, D.P, and Kumar, H.D. (1998). Ozone depletion-UNEP progress report. Journal of photochemistry and photo biology.10-26.
- Hancock, D.R. and Alogozzine, B. (2006). Doing case study Research, A practical guide for beginning researchers, New York and London, Teachers College Columbia University
- Hand, B., and Peterson. (1995). The development, trial and evaluation of a constructivist teaching and learning approach in a pre-service science teacher education program. Research in science education, 25(1), 75-88.

- Harris, C.W. (Ed.) (1960). *Encyclopedia of Educational research* (3rded.)New York: The Mc Millan Company.
- Hassard, J. (1999). Students' experience in constructivist learning environments: An inquiry into science teacher education program from http://www.gsu.edu/webfs01/mst/mstjr/public_html/teemsfinaland.html.
- Hendry, G.D. (1996). Constructivism and educational practice. *Australian journal of Education*. 40 (1), 19-45.
- Honebein, P.C. (1996). Seven goals for the design of constructivist learning environments. In Husen, T. (Ed.) (1994). *The international Encyclopedia of Education* (2nded.)New York: Pergamon
- Jacquelyn, w. (2001).Constructivism and supporting environments: Exploring instructional salience in pre-service teacher education. *Journal of teacher Education*. 52(3), 152-169.
- Jane, S. (2002). Social goals, achievement goals and the pathways of peer influence in 6th grade
- Jick, T.D. (1979). Mixed qualitative and quantitative methods: Triangulation in action. *Administrative science quarterly*, 24,602-611.
- Jonassen, D. (1991). Evaluating constructivist learning. *Educational technology*, 31 (9), 28-32.
- Jonassean, D., Myers, J.M. and Mc Killop, A.M. (1996). from constructivism to constructionsim learning with hypermedia\multimedia rather than from it. In G.B.Wilson, (Ed.), *constructing learning environments: case studies in instructional design* (pp. 93-106). Englewood cliffs: Educational technology pub., Inc.
- Jonassen, D., Peck, K.L., Wilson, and B.G. (1999).*Learning with technology: A constructivist perspective*, New Jersey: Prentice Hall.
- Joseph, A.L. (1999). Collaborative learning: A study of two classes. *Journal of Teacher Education*, 50 (2), 155-161.
- Kaufman, D., and Brooks. (1996). Interdisciplinary collaboration in Teacher Education: A constructivist approach. *TESOL quarterly*, 30 (2), 231-245.
- Kallick, A. (2002). *Assessment strategies for self-directed learning*. New Delhi: Corwin press A sage publications company

- Laurin, C. (1999). Preparing student teachers for diverse class rooms: A case-study of constructivist supervision. *Journal of teacher Education*.
- Lewisbeck, M.S. (Ed.) (1994). *International Handbook of qualitative applications in the social science (vol.5)*. Toppan publishing: sage publications
- Lewis beck, M.S. (Ed.) (1994). *International Handbook of qualitative applications in the social science (vol.6)*. Toppan publishing: sage publications
- Louise, S.E. (2000). The role of a teacher study group in negotiating constructivist science teaching in an elementary school. *Journal of teacher Education*. 35 (1), 39-52.
- Majumdar., P.K. (2005). *Research methods in social science*. New Delhi: Viva Books private limited.
- Mannikko, A., and Fahreus, D. (1997). Creating place for learning and teaching through technology. *Educational Technology*, 37 (2), 12-24.
- Manning, B.H. and Payne, B.D. (1993). A Vygotskian based theory of teacher cognition: Toward the acquisition of mental reflection and self regulation. *Teaching and Teacher Education*, 9(4), 361-371.
- Marshall, C. and Rossman, G.B. (2011). *Designing Qualitative Research (5th ed.)*. New Delhi: sage publications
- Marlowe, A.B., and Page, L.M. (1998). *Creating and sustaining constructivist classrooms*. California: Corwin press, Inc.
- Martin, D.S. (1996). Restructuring Teacher Education programs for higher order thinking skills. *Journal of Teacher Education*, 47 (2), 30-37
- Marlowe, B. & page, M. (1998). *Creating the constructivist classroom*. Thousand Oaka, CA: Corwin press
- Mary, K. (1999). Discourse in small groups in an Algebra class. *Journal of teacher Education*.
- Mathison, S. (1988). Why triangulate? *Educational researcher*, 17 (2). 13-17
- Maureen, M. (2001). *Constructivist teacher Education: Taking theory to practice of faculty-educators*. *Journal of teacher Education*,
- Mayring, P. (1983). *Qualitative content analysis, An introduction to qualitative research*. New Delhi: sage publications
- Maxwell, A.E. (1961) *Analysing qualitative data*. London: Methun and Co ltd.
- Mccall, G.J. and Simmons, J.L. (Eds.) (1969). *Issues in participant observation-A text and Reader*. Massachusetts: Addison-Wesley publishing company

- Gibbs, J. T., & Huang, L. N. (Eds.). (1991). *Children of color: Psychological interventions with minority youth*, San Francisco: Jossey-Bass.
- MHRD (1986). *National policy on Education*, New Delhi, GOI.
- MHRD (1992). *Review of National policy on Education, 1986*, New Delhi, GOI.
- Miles, M.B. and Hauberman, A.M. (1994). *An Expanded source book, Qualitative data analysis (second Ed.)*.New Delhi: Sage publications
- Ministry of Education (1966). *Education and national development, Education commission (1964-66)*.New Delhi, GOI
- Nancy,F.C.(2003). The heart of the classroom: Affective development in teacher education. *The journal of Educational Research*, 89(5), 345-354.
- Nathan,J &Knuth,E.(2003) A study of whole class room mathematics :discourse and teacher change. *Cognition and instruction*, 21(2), 175-207
- National council for Teacher Education (1998) *curriculum framework for quality teacher Education*, New Delhi: NCTE
- National council for Teacher Education (2006) *curriculum framework for teacher Education in collaboration with NCERT*, New Delhi: NCTE
- National council for Teacher Education (2009). *National curriculum framework for teacher Education-Towards preparing professional and humane teacher*. New Delhi: NCTE
- NCERT (2000). *A framework for school curriculum*, New Delhi, NCERT
- NCERT (2005). *National curriculum framework*, New Delhi, NCERT
- Newmann, F.M., Marks, H.M and Gamoran, A. (1996). Authentic pedagogy and student performance. *American journal of Education*, 104 (4), 280-312.
- Newman, D & Cole, M. (1989).*the construction zone: working for cognitive change in school*. Cambridge: Cambridge university press.
- Nguyen, C.N. (2003). Construction of teacher's knowledge, *Journal of teacher Education*. 38(4), 251-269
- Nicholas.A. Hill, S., Turner, B.S. (Ed.) (1994).*The penguin Dictionary of sociology*. London: Penguin Books
- Nyikos, M., and Hashimoto, R. (1997). Constructivist theory applied to collaborative learning in teacher education: I search of ZPD. *The modern language journal*, 81,506-517.
- Opie, C. (Eds.). (2001). *Doing Educational research-A guide for first time Researchers*. New Delhi: Vistar publications

- Patton, M.Q. (1990). *Qualitative evaluation and research methods* (2nd Ed.) Newbury park, CA: Sage publications
- Pickard, A.J. (2007). *Research methods in information*. London: Facet publishing
- Posner, G., Strike, K., Hewson, P., and Gertzog, w. (1982). Accommodation of a scientific conception: Toward a theory of conceptual change, *science education*, 66, 211-227
- Prawat, R.S. (1992). Teachers' beliefs about teaching and learning: A constructivist perspective. *American journal of Education*, 101 (2), 354-394.
- Ramesh, C. (2005). *Impact of media and technology in Education*. Delhi: Kalpaz publishers.
- Reeves, T.C. and Okey, J.R. (1996). Alternative assessment for constructivist learning environments In B.G. Wilson (Ed.), *Constructivist learning environments: case studies in instructional design*. (pp.191-202). Englewood cliffs: Educational technology pub. Inc
- Richardson, V. (1997). *Constructivist teaching and teacher education*. In V. Richardson (Ed.), *constructivist teacher Education: Building a world of new understandings*. Bristol, PA: Falmer press.
- Rossmann, G.B. and Rallis, S.F. (1998). *Learning in the field-An introduction to Qualitative Research*. New Delhi: Sage publications
- Saunders, W. (1992). The constructivist perspective: Implications and teaching strategies for science. *School science and Mathematics*, 92 (3), 136-141.
- Scott-ladd, B & Christopher. (2008). using action research to teach students to manage team learning and improve team work satisfaction. *Active learning in higher education*. 9(3). 231-248.
- Selley, N. (1999). *The art of constructivist teaching in the primary school*, London: David Fulton pub.
- Shulman, L.S. (1986). Those who understand: knowledge growth in teaching. *Educational researcher*, 15, 4-14.
- Siddiqui, M., Sharma, A. & Arora, G. (Eds.) (2009). *Teacher Education: Reflections towards Policy Formulation*. National council for Teacher Education, New Delhi
- Siegel. (2005). Implementing a research based model of co-operative learning. *The Journal of Educational Research*. 98 (6). 339-349.

- Silverman, D. (2002). *Doing qualitative research-A practical Handbook*. New Delhi: Sage publications.
- Silverman,D. and Marvasti,A.(2008). *Doing qualitative Research-A comprehensive guide*. New Delhi: Sage publications
- Simon, M.A., and Schifter, D. (1991).Towards a constructivist perspective: An intervention study of mathematics teacher development. *Educational studies in mathematics*, 22, 309-331.
- Simon, M.A., and Schifter, D. (1993).Towards a constructivist perspective: The impact of a mathematics in-service program on students. *Educational studies in mathematics*, 25,331-340.
- Somekh,B. and Lewin,C.(Eds.) (1998). *Research methods in the social sciences* .New Delhi:Vistar publications
- Stoddardt, T., Connell, M., Stofflett, R. and Peck, D. (1993). Reconstructing elementary teacher candidates understandings of mathematics and science content. *Teaching and Teacher Education*, 9(3), 229-241.
- Stofflett, R.T. (1994). The accommodation of science pedagogical knowledge: The application of conceptual change constructs to teacher Education. *Journal of research in science Teaching*, 31(8), 787-810.
- Taylor, P.C., Dawson, V. and Fraser, B.J. (1995). A constructivist perspective on monitoring classroom learning environments under transformation. Paper presented at the annual meeting of the National Association for research in science teaching, San Francisco.
- Tetenbaum, T.J., and Mulkeen, T.A. (1986). Designing Teacher Education for the twenty first century. *Journal of Higher Education*, 57 (6), 621-634.
- Terwel, N. (1999). Constructivism and its implications for curriculum theory and practice. *Journal of curriculum studies*, 31(2), 195-199.
- Thibaut, J.W. and Harold, H.K. (1959). *The social psychology of groups*. New York: Wiley
- Tubbs, S.L. (1978). *A systems approach to small group interaction*. New York: Addison-wesely publishing company.
- Tynjala, P. (1997). Developing Education students' conceptions of the learning process in different learning environments. *Learning and Instruction*, 7(3), 277-292.

- Tynjala, P. (1999). Towards expert knowledge? A comparison between a constructivist and a traditional learning environment in the university. *International journal of Educational research*, 31 (5), 357-442.
- UNESCO (1996) Learning the treasure within-International commission on Education for the 21st century, Paris, UNESCO
- Venkataiah, N. and Sandhya, N. (2004). *Research in value Education*. New Delhi: APH Publishing Corporation
- Von, Glaserfeld, E. (1990) *Constructivism in education*. In A .Lewy (Ed.), *The international encyclopedia of curriculum* (pp. 31-32) Oxford: Pergamon.
- Wheatley, G.H. (1991). Constructivist perspectives on science and mathematics learning. *Science Education*, 75(1), 9-21.
- Wilson, B.G. (1996). *Constructivist learning environments: case studies in instructional design*. Englewood Cliffs: Educational Technology pub.Inc.
- Yarger, D., Thomas, R.Boysen, P., and Marlino, M. (1999). *Developing and implementing a constructivist learning environment: Translating theory into practice* .Iowa city: Iowa state university from http://www.pals.iostste.edu/docu/power_point/frieburg/sld001.html.
- Zohar, A (1999). Teachers' metacognitive knowledge and the instruction of higher order thinking. *Teaching and Teacher Education*, 15,413-429.

WEB SITES:

www.gutenberg.org.

[www.epcc.pref.osaka.jp/apec/eng/earth/ozone-layer depletion\suseum u.html](http://www.epcc.pref.osaka.jp/apec/eng/earth/ozone-layer%20depletion/suseum%20u.html).

<http://www.mindtools.com/commskill/negotiationsills>.

<http://fampra.oxfordjournals.org/>

[http://www.gifted.uconn.edu/siegele/research/samples/purposive sampling.htm](http://www.gifted.uconn.edu/siegele/research/samples/purposive%20sampling.htm)