

REFERENCES

- Abraham, O. T. (2008). *Oral and Testing in NECO SSCE: Prospects and Challenges*. A paper presented at the 26th AEAA Annual Conference. Accra. Ghana.
- Abramowich, E. (2005). Six Sigma for Growth: Driving Profitable Top-Line Results. Clementi Loop: John Wiley & Sons Pty Ltd.
- Achilles, C. M. (2005). Class size and learning. In L. W. Hughes (Ed.), *Current Issues in School Leadership*. Mahwah, New Jersey: Lawrence Erlbaum Associates Publishers.
- Agar, M., & Hobbs, J. (1982). Interpreting discourse coherence and the analysis of ethnographic interviews. In Hardy & Bryman (Eds.), The *handbook of data analysis*. London: Sage Publications Ltd.
- Aiken, L. R. (1996). Rating Scales and Checklists: Evaluating Behaviour, Personality, and Attitudes. New York: John Wiley & Sons, Inc.
- Airasian, P. W., & Russell, M. K. (2008). *Classroom Assessment– Concepts and Applications*. Boston: McGraw Hill.
- Airasian, P. W. (2005). *Classroom Assessment Concepts and Applications*. Boston: McGraw Hill.
- Airasian, P. W., & Abrams, L. M. (2002). What role will assessment play in school in the future? In Lissitz & Schafer (Eds.), *Both means and ends*. Boston: Allyn and Bacon:
- Alder, P., & Alder, P. (1994). Observational techniques. In N. K. Denzin & Y. S. Lincoln. (Eds.), *Handbook of qualitative research*. California: SAGE Publications, Inc...
- Alreck, P. L., & Settle, R. B. (1995). *The Survey Research Handbook: Guidelines and Strategies for Conducting a Survey.* New York: .McGraw-Hill.
- Altheide, D., & Johnson, J. (1994). Criteria for assessing interpretive validity in qualitative research. In N. Denzin & Y. Lincoln (Eds.), *Handbook of Qualitative Research*. London: Sage.



- American Educational Research Association (AERA), American Psychological Association (APA), & National Council on Measurement in Education (NCME). (1999). Standards for educational and psychological testing. Washington, DC: AERA.
- Angrist, J. D., & Lavy, V. (1999). Using Maimonides' Rule to Estimate the Effect of Class Size on Scholastic Achievement. *Quarterly Journal of Economics* 114(2): 533-575.
- Ary, D., Jacobs, L. C., Razavieh, A., & Sorensen, C. (2006). *Introduction to Research in Education*. Australia: Thompson Wadsworth.
- Arter, J., & McTighe, J. (2001). Scoring rubrics in the classroom: Using performance criteria for assessing and improving student performance. Thousand Oaks, CA: Corwin Press.
- Assessment Reform Group (2002). Testing, Motivation and Learning. ARG, Cambridge.
- Assessment Reform Group (2006). The Role of Teachers in the Assessment of Learning, ARG, Cambridge.
- Babbie, E., Halley, F., & Zaino, J. (2000). Adventures in Social Research: Data Analysis Using SPSS for Windows 95/98. Illinois: SAGE Publications Ltd.
- Baku, J. J. K. (2008). Assessment for learning and assessment of learning: a search for an appropriate balance. *Journal of Educational Assessment in Africa*. 2(1), 44-52.
- Barab, S. and Squire, K . (2004). Design-based research: Putting a stake in the ground. Journal of the learning sciences, 13(1), 1-14.
- Barbour R. S., & Kitzinger, J. (1999). Introduction: the challenge and promise of focus groups. In Barbour R. S., & Kitzinger, J. (eds). *Developing Focus Group Research: Politics, Theory and Practice*. London: Sage Publications.
- Basu, R., & Wright, N. (2003). Quality Beyond Six Sigma. Oxford: Elsevier Ltd.
- Bennel, P., & Molwane, A. B. (2008). *Teacher Supply and demand for Botswana primary and secondary schools:* 2006-2016. Gaborone: Government Printer.



- Bennett, J., & Taylor, C. (2004). *Is Assessment For Learning In A High-Stakes Environment A Reasonable Expectation?*. A paper presented at the third Conference of the Association of Commonwealth Examination and Association Boards. Nadi, Fiji.
- Berry, R. (2008). *School-Based Assessment in Hong Kong: Policies, Issues, and Practice*. A paper presented at the IAEA Annual Conference. Cambridge. UK.
- Black, P. (1995). Continuous assessment: Teachers use assessment to improve learning? British Journal of Curriculum and Assessment, 5(2), 7-11.
- Black, P. (1993). Formative and summative assessment by teachers. *Studies in Science Education*, 21:49-97.
- Black, P., & Wiliam, D. (1998a). Assessment and Classroom Learning, Assessment in Education, Vol. 5, pp. 7-74.
- Black, P., & William, D. (1998). *Inside the Black Box: Raising standards through classroom assessment*, School of Education, King's College, London.
- Boustead, T. M. (2008). *Moderating subject variation within a New Zealand standards-based assessment system*. A paper presented at the 2008 IAEA conference. Cambridge.
- Bogdan, R. C., & Biklen, S. K. (2003). *Qualitative research for education*. (4th ed.). Boston: Allyn & Bacon.
- Bordens, K. S., & Abbott, B. B. (2005). *Research Design and Methods: A process Approach*. McGraw Hill: New York.
- Breakthrough Management Group. (2007). Lean Six Sigma. New York: Alpha.
- Briggs, S. R., & Cheek, J. M. (1986). The role of factor analysis in the development and evaluation of personality scale. *Journal of Personality*, 54, 106-148.
- Broadfoot, P., (1994). Approaches to quality assurance and quality control in six Countries. In Harlen, W. (Ed.), *Enhancing Quality in Assessment*. London: Paul Chapman Publishing Ltd.



- Brookhart, S. M. (2002). What will teachers know about Assessment and how will that improve Instruction? In Lissitz & Schafer (Eds.), *Both means and ends*. Allyn and Bacon: Boston.
- Burger, S. E., & Burger, D. L. (1994). Determining the validity of performance-based assessment. *Educational Measurement: issues and practice*. 20 (8) 9-15.
- Burris, S., & Garton, B. L. (2007). Effect of instructional strategy on critical thinking and content knowledge: Using problem-Based learning in the secondary classroom. *Journal of Agricultural education*. 48(1), 106-116.
- Butler-Kisber, L. (2010). *Qualitative Inquiry: thematic, Narrative, and Arts-Informed Perspective.* New Delhi: SAGE Publications.
- Camara, W. (2003). Scoring essay on the SAT written section (Research Summary No. 10).

 New York: The College Board. Retrieved June 28, 2009, from www.collegeboard.com/researach/pdf/031367researchsummary_26516.pdf.
- Calvo-Mora, A., Leal, A., & Roldan, J. L. (2006). Using enablers of the EFQM model to manage institutions of higher education. *Quality Assurance in Education*. 14 (2) 99-122.
- Campbell, C., & Rosznyai, C. (2002). *Quality Assurance and the development of a course Programme*. Bucharest: UNESCO.
- Chong, K. K. (2009). *Whither school-based coursework assessment in Singapore*. A paper presented at the 35th IAEA Conference. Australia.
- Christmann, E. P., & Badgett, J. L. (2003). A Meta-Analytic Comparisons of the Effects of Computer-Assisted Instruction on Elementary Students' Academic Achievement.

 Information Technology in childhood Education Annual, 4(1), 91-104.
- Cizek, G. J. (1991). Innovation or enervation?: Performance assessment in perspective. *Phi Delta Kappan* 72 (9) 695-699.
- Clauser, B. E., Harik, P., & Margolis, M., J. (2006). A Multivariate Generalisability Analysis of Data from a Performance assessment of Physician's Clinical Skills. *Journal of Educational Measurement*, 43(3) 173-191.



- Clauser, B. (2000). Recurrent issues and recent advances in scoring Performance assessments. *Applied Psychological Measurement*, 24(4), 310-324.
- Cobb, P., Confrey, J., diSessa, A., Lehrer, R., & Schauble, L. (2003). Design experiments in educational research. *Educational Researcher*, 32(1), 9-13.
- Cohen, L., & Manion, L. (1989). Research methods in Education. London: Routledge.
- Cohen, L., Manion, L., & Morrison, K. (2000). *Research methods in Education*. London: Routledge Falmer.
- Comfrey, A. L., & Lee, H. B. (1992). A first course in factor analysis (2nd ed.). Hillside, NJ: Erlbaum.
- Colbeck, C. L., Caffrey, H, S., Donald, E., Lattuca, L. R., Reason, R., Strauss, L. C., Terenzini, P. T., Volkweinm, J. F., & Reindl, T. (2000). *What Works: Policy Seminar on Students Success, Accreditation and Quality Assurance*. U. S. Department of Education.
- Collins, A., Joseph, D., & Bielaczye, K. (2004). Design Research: Theoretical and Methodological Issues. *Journal of the Learning Sciences*. 13(1), 15-42.
- Colton, D., & Covert, R. W. (2007). *Designing and Constructing Instruments for Social Research and Evaluation*. San Francisco: John Wiley & Sons, Inc.
- Coolican, H. (2006). *Introduction to Research Methods in Psychology*. London: Hodder Arnold.
- Council for Higher Education Accreditation. (2002). The Fundamentals of Accreditation-What do you need to know? Washington DC.
- Cresswell, J. W. (2009). *Research design: Quantitative, qualitative, and mixed methods approaches.* (3rd ed.). Thousand Oaks, CA: SAGE.
- Crooks T. (2004). Tensions between assessment for learning and assessment for qualifications. Paper presented at the Third Conference of the Association of Commonwealth Examinations and Accreditation Bodies (ACEAB) Nadi, Fiji, 8-12.



- Dancy, P. & Reidy, J. (2002). *Statistics Without Maths for Psychology*. London: Pearson Education.
- Deakin Crick, R., Broadfoot, P., and Claxton, G. (2003). *Developing the ELLI: The Effective Lifelong Learning Inventory in Practice*. Graduate School of Education, University of Bristol.
- De Vellis, R. F. (2003). *Scale Development: Theory and Practice*. California: Sage Publications.
- Devitt. H. J., Kurrek. M.M., Cohen. M. M., & Cleave-Hogg, D. (2001). *Anaesthesiology*. 95 (1), 36-42. Retrieved 10 June, 2009 from http://journals.iww.com/anesthesiology/pages/articleviewer.aspx?year=2001&issue=0
- Dick, W., Carey, L. & Carey, J.O. (2009). *The Systematic Design of Instruction*. New Jersey: Pearson.
- Diez, M. E. (2002). How will teacher education use assessments? An assessment scenario from the future. In Lissitz & Schafer (Eds.), *Assessment in Educational Reform: both means and ends*. Boston: Allyn and Bacon.
- Doty, L. A. (1996). Statistical Process Control. (2nd ed.). New York: Industrial Press Inc.
- Donald, D., Lazarus, S., & Lolwana, P. (2002). *Educational Psychology in Social Context*. Cape Town: Oxford University Press.
- Doty, L. A. (1996). Statistical Process Control. 2nd Edition New York. Industrial Press Inc.
- Downing, S. (2006). Twelve steps for effective test development. In S. Downing & T. Haladyna (Eds.), *Handbook of test development* (pp. 3-25). Mahwah, NJ: Erlbaum.
- Driscoll, M. P. (2000). *Learning for instruction*. Massachusetts: Pearson Education Company
- Dyer, C. (1995). Beginning Research in Psychology: A Practical Guide to Research Methods and Statistics. Oxford: Blackwell Publishers.
- Eckes, G. (2003). *Six Sigma for Everyone*. New Jersey: John Wiley & Sons, Inc. Remember, people are rarely the root cause of a problem in a process.



- Ertmer, P. (1999). Addressing first- and second-order barriers to change: Strategies for technology integration. *Educational Technology Research and Development*, 47(4), 47-61.
- Eysenck, M. W. (2004). *Psychology: An International Perspective*. New York: Psychology Press Ltd.
- Field, A. (2000). *Discovering statistics using SPSS for windows Advanced Technique for the Beginner*. London: SAGE Publications.
- Fink, A. (1995). How to Analyze Survey Data. California: SAGE Publications, Inc.
- Fink, A. (2005). Evaluation fundamentals: Insights into Outcomes, Effectiveness and Quality of Health Programs. Thousand Oaks: SAGE Publications, Inc.
- Fink, A. (2009). *How to Conduct Surveys: A Step-by-Step Guide* (4th ed.). California: SAGE Publications, Inc.
- Finn, J. D., & Achilles, C. M. (1990). (1990). Answers and Questions about Class Size: A Statewide Experiment. *American Educational Research Journal* 27 (3), 557-577.
- Finn, J. D., Gerber, S. B., & Boyd-Zaharias, J. (2003). The "whys" of class size: student behaviour in small classes. *Review of Educational Research*, 73(3), 321-368.
- Fox, M. J. (1995). *Quality Assurance Management*. 2nd edition. London: Chapman & Hall.
- Freeman, R. (1993). *Quality assurance in training and education How to apply BS5750* (ISO 9000) standards. London: Kogan Page.
- Gardner, H. (2006). Assessment and Learning. Thousand Oaks, California: SAGE Publications.
- Gasemann, K. (1993). The role of Performance assessment in education. In E. Kangasniemi & S. Takala (Eds.), *Pupil assessment and the role of final examinations in secondary education*. Report of the Educational Research Workshop held in Jyvaskyla (Finland). Jyvaskyla: Swets and Zeitlinger BV Publishers, Lisse.



- Gipps, C., (1995). Reliability, Validity and Manageability in large-scale performance assessment. In Torrance, H. (Ed.), *Evaluating Authentic Assessment*. Buckingham: Open University Press.
- Glaser, B., & Strauss, A. (1967). The discovery of Grounded Theory. Chicago: Aldine.
- Goddard III, D., & Villanova, P. (2006). Designing Surveys and Questionnaires for Research. In Leong, F. T. L., & Austin, J. T. (Eds.), *The Psychology Research Handbook*. California: Sage Publications.
- Goetsch, D. L., & Davis, S. B. (1997). *Introduction to total Quality: Quality management for Production Processing and Services*. (2nd ed.). New Jersey: Prentice-Hall, Inc.
- Goodman, G. S., & Carey, K. T. (2004). *Ubiquitous Assessment*. New York: Peter Lang Publishes.
- Government of Botswana. (2006). A Study to Establish the National Qualifications Framework. Gaborone. Botswana.
- Government of Botswana. (1993). Report of the National Commission on Education.

 Gaborone: Government Printer
- Government of Botswana. (1994). Revised National Policy on Education. Gaborone: Government Printer.
- Government of Botswana. (1977). Education for Kagisano: Report of the National Commission on Education. Gaborone: Government Printer.
- Gravemeijer, K. (1998). Developmental Research as a research method. In J. Kilpatrick and A. Sierpinska (Eds.), *Mathematics Education as a Research Domain: A search for identity (pp.277 -95)*. Dordrencht: Kluwer Academic Publishers.
- Gravemeijer, K. (2006). Developmental Research as a research method. In J. Van den Akker, K. Gravemeijer, S. McKenney & N. Nieveer (eds). *Educational Design Research* (pp 115 131). London: Routledge.



- Gravemeijer, K., & Cobb, P. (2006). Design Research from a learning design perspective. In Van den Akker, J. K. Gravemeijer, S. McKenney & N. Nieveen (Eds.), *Educational Design Research* (pp 8 13). London: Routledge.
- Greaney V., & Kellagan, T. (2001) Using Assessment to improve the quality of education. Paris: UNESCO.
- Greenwood, M. S., & Gaunt, H. J. (1994). *Total Quality Management for Schools*. London: Cassell.
- Griffith University Research Higher Degree Handbook. (2005). Retrieved from http://www.griffith.edu.au/
- Grima, G. (2004). The Secondary Education Certificate Examination in Malta: An Evaluation of the Differentiated Paper System. A paper presented at the third Conference of the Association of Commonwealth Examination and Association Boards. Nadi, Fiji.
- Grima, G., & Ventura. F. (1998). School-based Assessment in Malta: lessons from the past, directions for the future. Paper presented at First ACEAB Conference. Trou aux Biches, Mauritius.
- Grima, G., & Ventura. F. (2000). School-based Assessment in Malta: lessons from the past, directions for the future. Paper presented at First ACEAB Conference 4-8 September. Trou aux Biches. Mauritius.
- Grisay, A., & Mahlck, L. (1991). The quality of education in developing countries: A review of some research studies and policy documents.
- Gronlund, N. E. (2003). Assessment of students Achievement (7th ed.). Boston: Allyn and Bacon.
- Gronlund, N. E. (2006). Assessment of students Achievement (8th ed.). Boston: Allyn and Bacon.
- Guba, E. G., and Lincoln, Y. S. (1981). Effective Evaluation: Improving the usefulness of evaluation results through responsive and naturalistic approaches. San Francisco, CA: Jossey-Bass.



- Guba, E. G., & Lincoln, Y. S. (1989). Fourth Generation Evaluation. Newbury Park, CA: SAGE.
- Guba, E. G., & Lincoln, Y. S. (1994). Competing paradigms in qualitative research. In N. K. Denzin & Y. S. Lincoln (Eds.), *Handbook of qualitative research* (pp. 105-117). Thousand Oaks, CA: SAGE.
- Hair, J., F., Anderson, R. E., Tatham, R. L., & Black, W. C. (1995). *Multivariate Data Analysis with Readings*. New Jersey: Prentice Hall, Inc.
- Halsall, R. (1998). School Improvement: An overview of key findings and messages. In R.Halsall, (Ed.), *Teacher Research and school Improvement: Opening doors from the inside*. Buckingham: Open University Press.
- Hammersley, M., & Atkinson, P. (1983). *Ethnography: Principles in Practice*. London: Tavistock.
- Hamp-Lyons, L. (2009). The impact of assessment reform on teachers' constructs of oral interaction in English in Hong Kong. A paper presented at the 35th IAEA Conference. Australia.
- Hargreaves, E. (2007). The validity of collaborative assessment for learning. *Assessment in Education*. 14(2), 185-199.
- Harlen, W., Gipps, C., Broadfoot, P., & Nuttal, D. (1992). Assessment and the improvement of education. *The Curriculum Journal*, 3(3), 215-30.
- Harlen, W. (1994). *Enhancing Quality in Assessment*. London: Paul Chapman Publishing Ltd.
- Harlen, W., & Deaken-Crick, R. (2002). "A systematic review of the impact of summative assessment and tests on students' motivation for learning (EPPI-Centre Review, version 1.1)". In *Research Evidence in Education Library*, issue 1. EPPI-Centre, Social Science Research Unit, Institute of Education. London.
- Harlen, W. (2006). *Teaching, learning & assessing science 5-12*. London: SAGE Publications Ltd.



- Haynes, A. B. (2000). Current practices and future possibilities for the Caribbean Examinations Council's (CXC) School-Based Assessment. Paper presented at First ACEAB Conference 4-8 September. Trou aux Biches. Mauritius.
- Henderson, G. R. (2006). Six Sigma: Quality Improvement with MINITAB. West Sussex: John Wiley & Sons, Ltd.
- Herman, J. L., Baker, E.L., & Linn, R. L. (2006). "Assessment for accountability and learning", *CRESST LINE*, *Newsletter of the National Center for Research on Evaluation*, *Standards*, and *Student Testing*, Fall edition.
- Hoskin, K. (1979). The examination, disciplinary power and rational schooling. In *History of education*. (8), 135-146. London: Taylor & Francis.
- Hoadley, C. P. (2002). Creating context: Design-based research in creating and understanding CSCL. Proceedings of Computer Support for Cooperative Learning (CSCL). Bourder, Co.
- Hornsby, A.S. (2000). *Oxford Advanced Learners' Dictionary*. Sixth Edition. Oxford: University Press.
- Howie, S. J., & Plomp, T. (2001). English Language Proficiency and Other Factors Influencing Mathematics Achievement at Junior Secondary Level in South Africa. A paper presented at the annual meeting of the American Educational Research Association. Seattle, WA.
- Howie, S. J. (2002). English language proficiency and contextual factors influencing mathematics achievement of secondary school pupils in South Africa. Doctoral dissertation. Enschede (NL): Print Partners Ipskamp.
- Howie, S. J., & Plomp, T. (2003). Language Proficiency and Contextual Factors Influencing Secondary Students' Performance in Mathematics in South Africa. A paper presented at the annual meeting of the American Educational Research Association. Chicago. April 21-25.



- Howie, S. J. (2006). Assessment for Learning Strategies: merging theory and practice within South Africa realities. A paper presented at the GDE Assessment for Learning Conference. Johannesburg.
- Hoxby, C. M. (2000). The Effects of Class Size on Student Achievement: New Evidence from Population Variation. *Quarterly Journal of Economics*, 115(4): 1239-1285.
- Islam, K. A. (2006). *Designing and measuring: The 6 Sigma way*. San Francisco: Pfeiffer, An Imprint of Willey.
- Izard, J. F. (1998). Validating teacher-friendly (and student-friendly) assessment approaches.
 In D. Greaves & P. Jeffery (Eds.) Strategies for intervention with special needs students. (pp.101-115). Melbourne, Vic.: Australian Resource Educators' Association Inc..
- Izard, J. F. (2002). Describing student achievement in teacher-friendly ways: Implications for formative and summative assessment. Valetta, Malta: Ministry of Education, Malta and the University of Malta for the Association of Commonwealth Examinations and Accreditation Bodies.
- Januario, F. M. (2008). *Investigating and improving assessment practices in physics in secondary schools in Mozambique*. Doctoral dissertation. University of Pretoria.
- James, M. (1994). Experience of quality assurance at key stage 1. In W. Harlen (Ed.), Enhancing Quality in Assessment. London: Paul Chapman Publishing Ltd.
- James, M. (2006). Assessment, Teaching and Theories of Learning. In Gardner, J (Ed.), Assessment and Learning. London: SAGE Publications.
- Jewel, T., & Ford, M. (2007). What exactly do you want me to do? Analysis of a Criterion Referenced Assessment Project. *Journal of Information Technology Education*. Online. Retrieved 22 May 2008. Vol 6. 311-326.
- Johnson, R., Penny. J. A., & Gordon., B. (2009). Assessing Performance Designing, Scoring and Validating Performance tasks. New York: The Guilford Press.
- Johnson, R. B., & Onwuegbuzie, A. J. (2004). Mixed methods research: A research paradigm whose time has come. *Educational Researcher*, 33(7), 14-26.



- Jones, D. P. (2002). Different Perspectives on Information about Educational Quality: Implications for the Role of Quality. Washington, D. C: Council for Higher Education Accreditation.
- Jones, V. (2006). How do teachers learn to be effective Classroom managers?. In C. M. Evertson, & C. S. Weinstein, (Eds.), *Handbook of classroom Management: Research*, *Practice*, *and Contemporary Issues*. Mahwah, New Jersey: Lawrence Erlbaum Associates, Publishers.
- Jordan, P., & McDonald, J. (2008). Data presented in a *symposium "How standards of student achievement work to support teacher judgement: The place of moderation"*. Australian Association for Research in Education Conference, Brisbane.
- Kanjee, A., & Y. Sayed, Y. (2008). Assessment and Education Quality in South Africa. A paper presented at the world 52nd Annual Meeting of the Comparative and International Education Society. Teachers College, Columbia University New York, 17-21 March.
- Kane, M. T. (2008). Terminology, Emphasis, and Utility in Validation. *Educational Researcher*. 37(2),76-82.
- Kapur, K. (2008). Assessment for Improving Learning in Schools in India: A perspective. A paper presented at the IAEA Annual Conference. Cambridge. UK.
- Kelly, A. (2004). Design Research in Education: Yes, but is it Methodological? *Journal of the Learning Sciences*. 13(1), 115-128.
- Keightley, J. V., & Coleman, M. J. (2002). *Improving the Quality of Education using School-Based Assessment: Advantages, Disadvantages, Issues and Challenges.* Paper presented to the International Association for Educational Assessment. UNESCO sponsored Round Table. Hong Kong.
- Keightley, J. V. (2002). *School-based Assessment in South Australia*. Paper presented to Hong Kong Examinations and Assessment Authority Seminar. Latest Developments in Educational Assessment.



- Kellagan, T., & Greaney, V. (2001) *Using Assessment to improve the quality of education*. Paris: UNESCO.
- Kellaghan, T., & Greaney, V. (2003). *Monitoring Performance: Assessment and Examinations in Africa training.*
- Kent, T. W., & McNergney, R. F. (1999). Will technology really change education? Thousands Oaks, CA: Corwin Press.
- Knostantopolous, S. (2008). Do Small Classes Reduce the Achievement Gap between Low and High Achievers? Evidence from Project STAR. *Elementary School Journal*, 108(4), 275-291.
- Knostantopolous, S., & Chung, V. (2009). What are the Long Term Effects of Small Class on the Achievement Gap? Evidence from the Lasting Benefits Study. *American Journal of Education*, 116(1), 125-154.
- Khoo. H. C. S., & Idrus, R. M. (2004). A Study of Quality Assurance Practices in the Universiti Sains Malaysia (USM). Turkish Online Journal of Distance Education. 5(1). Retrieved 05 July 2009.
- Klenowski, V., & Wyatt-Smith, C. (2008). "Standards-driven reform Years 1–10: Moderation an optional extra?", A paper presented at the Australian Association for Research in Education Conference, Brisbane.
- Kobrin, J., & Kimmel, E. (2006). Test development and technical information on the writing section of the SAT reasoning test. New York: The College Board. Retrieved January 5, 2009, from www.collegeboard.com/researach/pdf/pdf/RN-25.pdf.
- Kremelberg, D. (2011). *Practical Statistics*. California: SAGE Publications, Inc.
- Ladson-Billings, G., & Donnor, J. (2005). The moral activist role of critical race theory scholarship. In N. K. Denzin & Y. S. Lincoln (Eds.), *The SAGE handbook of qualitative research* (3rd ed, pp.279-301). Thousand Oaks, CA: Sage.
- Lane, S., & Stone, C. (2006). Performance assessment. In R. Brennan (Ed.), *Educational measurement*. Westport, CT: American Council on Education and Praeger.



- Lather, P. (1992). Critical frames in educational research: Feminist and post-structural perspectives. *Theory and practice*, 31(2), 1-13.
- Lee, R. M., & Fielding, N. G. (2009). Tools for qualitative data analysis. In ? Hardy & Bryman (Eds,). *The handbook of data analysis*. London: Sage Publications Ltd.
- Le Grange, L., & Reddy, C. (1998). *Continuous Assessment: An introduction and Guidelines to Implementation*. Cape Town: Juta & Company Limited.
- Lennox, B. (2000). *Achieving National Consistency in School-Based Assessment against Standards*. Paper presented at First ACEAB Conference. Trou aux Biches, Mauritius.
- Lincoln, Y. S., & Guba, E. (1985). Naturalistic Inquiry. Beverly Hills, CA: Sage.
- Lincoln, Y. S., & Guba, E. (1999). Establishing Trustworthiness. In Bryman, A. & Burgess, R. G. (eds.), *Qualitative Research Volume III*. London: SAGE Publications.
- Linn, R. L. (2000) "Assessments and accountability", Educational Researcher, 29, (2), 4–16.
- Linn, R. L., Baker, E. L., & Dunbar, S. B. (1993). Policy and Validity prospects for performance –based assessment. *American Psychologist*, 48(12), 10-18.
- Loken, R. D. (1973). Education in Transition: The report of the Polytechnic Mission.
- Madaus, G., & O'Dwyer, L. (1999). A short History of Performance assessment. *Phi Delta Kappan*, 80(9), 688-695.
- Mafumiko, F. (2006). *Micro-scale experimentation as a catalyst for improving the chemistry curriculum in Tanzania*. Doctoral dissertation. Enschede (NL): University of Twente.
- Mamary, A. (2007). Creating the ideal school where teachers want to teach and students want to learn. Plymouth: Rowman & Littlefield Education.
- Masole, T., M. (2003). Teachers' perception about assessment and contribution of BGCSE Agriculture continuous assessment towards final grade. Unpublished Master of Education Dissertation. University of Botswana.
- Marzarno, in Nitko & Brookhart (2007). *Educational Assessment of Students*. New Jersey: Merrill Prentice Hall.



- Masters, G. N., & McBryde, B. (1994). *An Investigation of the Comparability of Teachers'*Assessments of Student Folios. Tertiary Entrance Procedures Authority. Brisbane.
- Maughan, S. (2004). Closing the gap between assessment and learning. A paper presented at the third Conference of the Association of Commonwealth Examination and Association Boards. Nadi, Fiji.
- Maxcy, S. J. (2003). Pragmatic threads in mixed methods research in the social sciences: The search for multiple modes of inquiry and the end of philosophy of formalism. In A. Tashakkori & C. Teddlie (Eds.), *Handbook of mixed methods in social & behavioural research*. (pp 51-90). Thousand Oaks, CA: Sage.
- Maxwell, G. S. (2004). *Progressive assessment for learning and certification: Some lessons from School-based assessment in Queensland*. A paper presented at the third Conference of the Association of Commonwealth Examination and Association Boards. Nadi, Fiji.
- May, D. (2006). Geography of Botswana. Gaborone: McMillan.
- McDaniel, C., & Gates, R. (2010). Marketing Research with SPSS. (8th ed.). Danvers MA: John Wiley & Sons, Inc.
- McDavid, J. C., & Hawthorn, L. R. L. (2006). *Programme Evaluation & Performance Measurement: An Introduction to Practice*. California: SAGE Publications, Inc.
- McIntire, S. A., & Miller, L. A. (2007). *Foundations of Psychological Testing: A practical Approach*. (2nd ed.). London: Sage Publications, Inc.
- McKenny, S. (2001). Computer-based support for science education material developers in Africa: exploring potentials. Doctoral dissertation. Enschede: University of Twente.
- McMillan, J. H. (2004). Classroom Assessment: Principles and Practice for Effective Instruction. Boston: Allyn and Bacon.
- McMillan, J. H. (2000). Fundamental Assessment Principles for Teachers and School Administrators. *Practical Assessment, Research and Evaluation: A Peer-reviewed electronic journal*, 7 (8).



- Mehrens, W. A., & Lehman, I. J. (1991). *Measurement and Evaluation in Education and Psychology*. Florida: Holt, Rinehart and Winston, Inc.
- Mehrens, W. A. (1992). Using performance assessment for accountability purposes. *Educational Measurement: Issues and Practice*, 11(1), 3-9.
- Mergendoller, J. R., Markham, T. Ravitz, J., & Larmer, J. (2006). Pervasive management of Project Based Learning: Teachers as guides and facilitators. In Evertson, C. M. & Weinstein, C. S. (Eds.), *Handbook of classroom Management: Research, Practice, and Contemporary Issues*. Mahwah, New Jersey: Lawrence Erlbaum Associates, Publishers.
- Mertens, D. M. (2005). Research and evaluation in education and psychology: Integrating diversity with qualitative, quantitative and mixed methods (2nd ed.). Thousand Oaks, CA: Sage.
- Mertens, D. M. (2010). *Research and Evaluation in Education and Psychology*. Carlifornia: SAGE Publication, Inc.
- Mertler, C. A. (2001). *Designing Scoring Rubrics for your classroom. Practical Assessment, Research* & *Evaluation*. 2(3). Retrieved February 14, 2005 from http://pareonline.net/getvn.asp?v=7&n=25.
- Messick, S. (1989). Validity. In R. L. Linn (Ed.), *Educational Measurement*. New York: American council on Education and Macmillan.
- Meyers, L. S., Gamst, G., & Guarino, A. J. (2006). *Applied Multivariate Research: Design and Interpretation*. California: Sage Publications.
- Mehrens, W. A. (1992). Using Performance assessment for accountability purposes. *Educational Measurement: Issues and practice*, 11(1), 3-9.
- Mercurio, A. (2008). *Re-imaging school-based assessment at upper education level*. A paper presented at the A paper presented at IAEA conference, Cambridge.
- Milesi, C., & Gamoran, A. (2006). Effects of Class Size and Instruction on Kindergarten Achievement. *Educational Evaluation and Policy Analysis*, 28(4), 287-313.



- Miller-Jones, D. (1989). Culture and Testing. American Psychologist, 44, 360-366.
- Miller, D. C., Sen, A., & Malley, L. B. (2007). *Comparative Indicators of Education in the United States and Other G-8 Countries: 2006.* (NCES 2007-006). National Centre for Education Statistics, Institute of Education Sciences, U. S. Department of Education. Washington, D. C.
- Mindes, G. (2007). Assessing Young Children. New Jersey: Merrill Prentice Hall
- Ministry of Education & Skills Development. (2001). *Botswana General Certificate of Secondary Education Assessment Syllabus: Agriculture*. Gaborone: Government Printer.
- Ministry of Education & Skills Development. (2000a). *Botswana General Certificate of Secondary Education Agriculture Teaching Syllabus*. Gaborone: Government Printer.
- Ministry of Education & Skills Development. (2000b). *Botswana General Certificate of Secondary Education Agriculture Assessment Syllabus*. Gaborone: Government Printer.
- Ministry of Education & Skills Development. (2001). *Early Childhood Care and Education Policy*. Gaborone: Government Printer.
- Ministry of Education & Skills Development. (2002a). *Lower Primary School Syllabus:* Standard One to Four. Gaborone: Government Printer.
- Ministry of Education & Skills Development. (2002b). *Curriculum Blueprint: Senior Secondary Education Programme*. Gaborone: Government Printer.
- Ministry of Education & Skills Development. (2002c). *Curriculum Blueprint: Ten-Year Basic Education Programme*. Gaborone: Government Printer.
- Ministry of Education & Skills Development. (2005). *Upper Primary School Syllabus:*Standard Five to Seven. Gaborone: Government Printer.



- Ministry of Education & Skills Development. (2006). *Trends in International Mathematics and Science Study-* 2003. Gaborone: Government Printer.
- Ministry of Education & Skills Development. (2006). *Education Statistics 2004*. Gaborone: Government Printer.
- Ministry of Education & Skills Development. (2007). *Curriculum Blueprint: The Ten-Year Basic Education Programme*. Gaborone: Government Printer.
- Ministry of Education & Skills Development. (2009). *Standard Four Assessment Project*. Gaborone: Government Printer.
- Ministry of Education & Skills Development. (2009a). *Trends in International Mathematics and Science Study-2007*. Gaborone: Government Printer
 - Ministry of Education & Skills Development. (2009). *Education Statistics 2006*. Gaborone: Government Printer.
- Ministry of Finance and Development Planning. (1991). *National Development Plan 7, 1991-1997 (NDP 7)*. Gaborone: Government Printer.
- Ministry of Finance and Development Planning. (1997). *National Development Plan VIII* (1997 2003). Gaborone: Government Printer
- Ministry of Finance and Development Planning. (2001). *Population and Housing Census*. Gaborone: Government Printer.
- Ministry of Finance and Development Planning. (2003). *National Development Plan 9*, 2003/04-2008/09. Gaborone: Government Printer.
- Ministry of Finance and Development Planning. (2005). *Population Projections for Botswana* 2001-2031. Gaborone: Government Printer.
- Ministry of Finance and Development Planning. (2006). *Budget Speech*. Gaborone Government: Printer.
- Ministry of Finance and Development Planning. (2009). *Budget Speech*. Gaborone: Government Printer.



- Ministry of Trade and Industry. (2007). Botswana Review. 27th Edition.
- Ministry of Trade and Industry. (2008). Botswana Review. 28th Edition.
- Morgan, D. L. (2007). Paradigm lost and pragmatism regained: methodological implications of combining qualitative and quantitative methods. *Journal of Mixed Methods Research*, 1, 48-76.
- Moskal, B. M., & Leydens. J. A. (2000). Scoring rubric development: Validity and reliability. *Practical Assessment, Research & Evaluation*, 7(10). Retrieved February 14, 2005 from http://pareonline.net/getvn.asp?v=7&n=10.
- Motswiri, M. J. (2004). Supporting chemistry teachers in implementing formative assessment of investigative practical work in Botswana. Doctoral dissertation. Enschede (NL): Print Partners Ipskamp.
- Nam, C. S., & Smith-Jackson, T. L. (2007). Web-Based Learning Environment: A Theory-Based Design Process for Development and Evaluation. *Journal of Information Technology Education*. 6, 25-43.
- Neill, M. D., & Median, J. N. (1992). Eliminating Standardised tests would improve schools. In Cozic, C. P (ed) *Education in America*. San Diego: Greenhaven Press.
- Nenty, H. J., Odili, J. N., & Munene-Kabanya, A. N. (2008). Assessment training among secondary school teachers in Delta state of Nigeria: implications for sustaining standards in Educational Assessment. A paper presented at the 28th AEAA, Conference. Accra. Ghana.
- Nichols, P. D., & Williams, N. (2009). Consequences of Test Score use as Validity Evidence: Roles and Responsibilities. *Educational Measurement: Issues and Practice*, 28(1), 3-9.
- Nir-Gal, O. & Klein, P. S. (2004). Computers for cognitive development in Early Childhood The Teacher's role in the computer Learning Environment. *Information Technology in childhood Education Annual*, 4(1), 97-119.
- Nitko, A. J. (1995). Curriculum-based Continuous assessment: a frame work for concepts, policies and procedures. *Assessment in Education*, 2,321-337.



- Nitko, A. J. (1998). The Role of Examination Research and Testing Division in Continuous Assessment Reform in Botswana. Examination Research and Testing Division. Gaborone.
- Nitko, A. J. (2004). Educational Assessment of Students. New Jersey: Merrill Prentice Hall.
- Nitko, A. J., & Brookhart, S. M. (2007). *Educational Assessment of Students*. New Jersey: Merrill Prentice Hall.
- Njabili, A. F. (1987). *Continuous Assessment: The Tanzanian experience*. In P. Broadfoot, H. Torrance, & R. Murphy, (Eds.), *Changing Educational Assessment: International Perspectives and trends*. London: Routledge and Kegan Paul.
- Neuman, W. L. (2000). *Social Research Methods: Qualitative and Quantitative Approaches*. Boston: Allyn and Bacon.
- Noor, A. G. (2008). *Oral and Practical testing in public examinations (Kenyan experience):*Challenges and prospects. A paper presented at the 28th AEAA, Conference. Accra. Ghana.
- Nowa-Phiri, M. D. (2000) *Performance Assessment: is it possible in a country where cheating in National Examinations is rampant?*. Paper presented at the First ACEAB Conference 4-8 September. Trouaux Biches, Mauritius.
- Nye, B., Hedges, L. V., & Konstantopoulos, S. (2002). Do Low-Achieving Students Benefit More from Small Classes? Evidence from the Tennessee Class Size Experiment. *Educational Evaluation and Policy Analysis* 24(3), 201-217.
- Oakland, J. S. (2003). Statistical Process Control. Oxford: Butterworth Heinemann.
- Onyango, P. O., & Ndege, J. G. (2007). Linking school-based assessment with public examinations: The Kenya National Examinations Council Experience. *Journal of Educational Assessment in Africa*. 1(1)24-32.
- Ornstein, A. C., & Hunkins, F. (1993). *Curriculum: Foundations, Principles and Theory*. Boston: Allyn and Bacon.



- Ottevanger, W. J. W. (2001). *Teacher support materials as a catalyst for science curriculum implementation in Namibia*. Doctoral dissertation. Enschede (NL): Print Partners Ipskamp.
- Patchen, M. (2004). *Making our schools more effective: what matters and what works*. Illinois: Charles C Thomas Publisher, LTD.
- Patton, M. Q. (2002). *Qualitative research & evaluation methods* (2nd ed.), Thousand Oaks, CA: SAGE.
- Pelliegrino, J., Chudowsky, N., & Glaser, R. (2001). *Knowing What Students Know: The science and design of educational assessment*. Washington, DC: National Academy Press.
- Persse, J. R. (2006). Process Improvement Essentials. Sebastopol: O'Reilley Media, Inc.
- Pearson, R. W. (2010). *Statistical Persuasion*. Thousand Oaks, California: SAGE Publications Inc.
- Piaget, J. (1953). The origin of intelligence in the child. London: Routledge and Kegan Paul.
- Pitman, J. (2003). Preparing Teachers to Use Technology with Young Children in Classroom. Information Technology in Childhood Education Annual, 4(1), 261-287.
- Plomp, T. (2008). *Educational Design Research: An Introduction*. A paper presented at the workshop of the SANPAD Project. University of Pretoria.
- Plumer, R. (1990). In. D. Lock & D. J. Smith (Eds.), *Gower handbook of Quality management*. Gower Publishing Company Limited. Aldershot.
- Pong, S., & Pallas, A. (2001). Class Size and Eighth-Grade Math Achievement in the United States and Abroad. *Educational Evaluation and Policy Analysis*, 23 (3), 251-273.
- Pongi, V. (2004). Making the switch from "Assessment for ranking" towards "Assessment for Learning"; The challenges facing the small Islands States of the Pacific.
- Popham, W. J. (2005). *Classroom Assessment: What teachers need to know*. Boston: Pearson Education, Inc.



- Portal, M. (2000). *School Based Assessment: Problems and Solutions*. Paper presented at The First ACEAB Conference. Trou aux Biches. Mauritius.
- Queensland Studies Authority. (1998). *Strategies for authenticating student work for learning and assessment*. Queensland Government.
- Queensland Studies Authority. (2008). *The Quality Assurance of Authority-registered Subjects*. Queensland Government.
- Queensland Studies Authority. (2009). *Student assessment regimes: getting the balance right for Australia*. Queensland Government.
- Radnor, H., & Shaw, K. (1995). 'Developing a Collaborative Approach to Moderation. In H. Torrance, (Ed.), *Evaluating Authentic Assessment*. Buckingham: Open University Press.
- Raffan, J. (2000). *School-Based Assessment: Principles and Practice*. Paper presented at the First ACEAB Conference. Trou aux Biches. Mauritius.
- Rainey, D. (2005). *Product Innovation: Leading change through integrated product development*. New York: Cambridge University Press.
- Raivoce & Pongi, (2000). Performance Assessment at the Pacific Senior Secondary Certificate (PSSC): the SPBEA Experience. Paper presented at the First ACEAB Conference. Trouaux Biches, Mauritius.
- Rennert-Ariev, P. (2005). Theoretical model for the authentic assessment of teaching, Practical Assessment, Research and Evaluation. *A Peer-reviewed electronic journal*. 10 (2).
- Republic of Botswana. (1977). Education for Kagisano: Report of the National Commission on Education. Gaborone: Government Printer.
- Republic of Botswana. (1993). *Report of the National Commission on Education*. Gaborone: Government Printer.
- Republic of Botswana. (1994). *Revised National Policy on Education*. Gaborone: Government Printer.



- Republic of Botswana (2008). *Public Service Act No 30 of 2008*. Gaborone: Government Printer.
- Richard, F. (1993). *Quality assurance in training and education How to apply BS5750 (ISO 9000) standards*. London: Kogan Page.
- Rudner. L. M. & Boston, C., (1994). Performance Assessment, ERIC Review, 3(1) 2-12.
- Republic of Botswana. (2009). *Preliminary Botswana HIV/AIDS Impact Survey III Results*. Gaborone: Government Printer.
- Rudner. L. M., & Boston, C. (1994). Performance assessment, ERIC Review, 3(1), 2-12.
- Ryan, T. (2006). Performance assessment. Critics, criticism, and controversy. *International Journal of Testing*, 6(1), 97-104.
- Salvia, J., & Ysseldyke. J.E. (1998). Assessment. Boston: Houghton Mifflin Company.
- Schostak, J. (2006). *Interviewing and Representation in Qualitative Research*. Open Glasgow: University Press.
- Schwandt, T. A. (2000). Three epistemological stances for qualitative inquiry; intepretivism, hermeneutics, and social constructionism. In N. K. Denzin & Y. S. Lincoln (Eds.), *Handbook of qualitative research* (2nd ed., pp 189-214). Thousand *Oaks, CA: SAGE*.
- Seale, C. (2004). Social Research Methods. London: Routledge.
- Shaklee, B. D., Barbour, N. E., Ambrose, R., & Hansford, S. J., (1997). *Designing and using portfolios*. Boston: Allyn and Bacon.
- Shavelson, R. J., Phillips, D. C., Towne, L., & Feuer, M. J. (2003). On the Science of Education Design Studies. *Educational Researcher*. 32 (1), 25-28.
- Shepherd, L. A. (2008). "A brief history of accountability testing 1965–2007". In K. Ryan & L. Shepard (Eds.), *The Future of Test-Based Educational Accountability*, New York: Routledge.
- Shepherd, L.A. (2000). "The role of assessment in a learning culture", *Educational Researcher*.



- Singh, P. (2000). *Implementing School-Based Assessment; A Functional Approach*. Paper presented at the First ACEAB Conference. Trouaux Biches. Mauritius.
- Singh, T. (2004). School-Based Assessment: the interface between Continuous Assessment (CASS) and the external summative examinations at Grade 12 level with special focus on Mathematics and Science. Unpublished Master of Education dissertation. University of Pretoria: Pretoria.
- Slavin, R. (1994). Educational Psychology: Theory and Practice. Boston: Allyn and Bacon.
- Stanley, G., & Tognolini, J. (2008). "Performance with respect to standards in public examinations". A paper presented at the Annual Conference of the International Association for Educational Assessment. Cambridge.
- Stevens, J. P. (2002). *Applied Multivariate Statistics for the Social Sciences*. New Jersey Mahwah: Lawrence Erlbaum Associates Publishers.
- Stiggins, R. J. (1997). *Student-Centred Classroom Assessment* (2nd ed.). New Jersey: Prentice-Hall, Inc.
- Stiggins, R. J. (2002). Where is our assessment future and how can we get there from here? In Lissitz & Schafer, (Eds.), *Assessment in Educational Reform: Both means and ends*. Boston: Allyn and Bacon.
- Stiggins, R. J. (2002). Assessment Crisis: The absence Of Assessment *FOR* Learning. *Phi Delta Kappan*, 83(10), pages 758 765. Retrieved, 03 March, 2009.
- Stiggins, R. J. (2009) "Assessment, student confidence, and school success", *Phi Delta Kappan*.
- Stobart, G. (2008). *The validity of ability tests a case of over-interpretation?* A paper presented at the 34th IAEA Conference. London.
- Tabachnik, B. G., & Fidell, L. S. (2001). *Using Multivariate statistics*. Needham Heights, MA: Allyn & Bacon.
- Tashakkori, A., & Teddlie, C. (Eds.). (2003). *Handbook of mixed methods in social & behavioural research*. Thousand Oaks, CA: Sage.



- Tecle, A. T. (2006). The potential of a professional development scenario for supporting biology teachers in Eritrea. Doctoral dissertation. Enschede (NL): University of Twente.
- Teddlie, C., & Tashakkori, A. (2009). Foundations of mixed methods research. Thousand Oaks, CA: Sage).
- The Design-Based Collective. (2003). Design-Based Research: An Emerging Paradigm for Educational Inquiry. *Educational Researcher*, 32(1), 5-8.
- Thomas, T., Davis, T. & Kazlauskas, A. (2007). Embedding critical thinking in IS Curricula. *Journal of Information Technology Education*. 6, online, 327-346.
- Tlou, T., & Campbell, A. (1984). *History of Botswana*. Gaborone: McMillan.
- Torrance, H., & Pryor, J. (1998). *Investigating formative Assessment: Teaching, Learning and Assessment in the classroom.* Buckingham: Open University Press.
- Thorndike, R. M., & Thorndike-Christ, T. (2010). *Measurement and Evaluation in Psychology and education*. New York: Pearson Education, Inc.
- Tilya, F. N. (2003). *Teacher support for the use of MBL in Activity-Based Physics teaching in Tanzania*. Doctoral dissertation. Enschede (NL): University of Twente.
- Tindal, G. & Haladyna, T. M. (2002). Large-Scale Assessment Programs for all students Validity, Technical Adequacy and Implementation. New Jersey: Lawrence Erlbaum Associates Publishers, Inc.
- Torrance. H. (1995). Evaluating Authentic Assessment. Buckingham: Open University Press.
- Torrance, H., & Pryor, J. (1998). *Investigating formative Assessment: Teaching, Learning and Assessment in the classroom.* Buckingham: Open University Press.
- UNESCO. (1990). World Declaration on Education For All. Meeting basic learning needs. New York.
- UNESCO. (2000a). *The Dakar Framework for Action: Education for All Meting Collective Commitments*. World Education Forum, Dakar, Senegal. 26 28 April.

 Paris: UEESCO.



- UNESCO. (2000). The Dakar Framework for Action: Education for All Meting our Collective Commitments. World Education Forum, Dakar, Senegal. 26–28 April. Paris: UEESCO.
- UNESCO. (2002). *Education For All. Is the World on track?* EFA Global Monitoring Report. Paris: UNESCO.
- UNICEF. (1990). Meeting Basic Learning Needs: A Vision for the 1990's World Conference on Education For All. 5-8 March. Jomtein. Thailand.
- United Nations. (2000). *United Nations Millennium Declaration. Resolution adopted by the General Assembly*. (United Nations A/RES/5/2) www.un.org/millennium/declaration/ares552e.htm
- United Nations. (2001a). Committee on the Rights of the Child, General Comment 1: The Aims of education. Washington. D. C.
- United Nations. (2005). The Millennium Development Goals Report. New York.
- Van den Akker, J., & Plomp, T. (1993). *Development Research in Curriculum: Propositions and experiences*. A Paper resented at AERA Annual Meeting, April 12-16, Atlanta.
- Van den Akker, J. K. (1999). Principles and Methods of Development Research. In J. Van den Akker, R. M. Branch, K. Gustafson, N. Nieveen, & T. Plomp (Eds.), *Design approaches and tools in education and training*. Boston: Kluwer Academic, 1-14.
- Van den Akker, J., Branch, R., Gustafson, K., Nieveen, N., & Plomp, T. (eds) (1999). *Design Approaches and Tools in Education and Training*. Dordrencht: Kluwer Academic Publishers.
- Van den Akker, J. K., Gravemeijer, S., McKenney, S. & N. Nieveen. (2006). *Educational Design Research* (pp 8 13). London: Routledge.
- Van der Berg, S., & Shepherd, D. (2010). Signalling performance: continuous assessment and matriculation examination marks in South African schools. Stellenbosch Economic Working Papers: 28/10 Stellenbosch University. Bureau for Economic Research



- Van der Merwe, I. F. J. (2000). *Continuous Assessment: The Namibian Experience*. Paper presented at the First ACEAB Conference. 04–08 September. Trou aux Bitches, Mauritius.
- Viswanathan, M. (2005). *Measurement Error and Research Design*. Thousand Oaks, California: SAGE Publications.
- Vygotsky, L. (1978). *Mind in society. The development of higher mental processes*. Cambridge, Mass: Harvard University Press.
- Walker, D. (2006). *Toward Productive Design Studies*. In J. Van den Akker, K. Gravemeijer, S. McKenney, & N. Nieveen (Eds.), *Educational Design Research* (pp 8–13). London: Routledge.
- Walklin, L. (1992). *Putting quality into practice*. Cheltenham: Stanley Thorns (Publishers). Ltd.
- Wiersma, W., & Jurs, S. G. (2005). *Research Methods in Education: An Introduction*. Boston: Pearson Education, Inc:
- Wiggins, G. (1998). Educative Assessment Designing Assessments to Inform and Improve Student Performance. San Francisco: Jossey-Bass Publishers.
- Wiggins, S., & Riley, S. (2010). QMI: Discourse Analysis. In Forester (Ed.), *Doing Qualitative Research in Psychology: A Practical Guide*. New Delhi: SAGE.
- Wild, C. L., & Ramaswamy, R. (2008). *Improving Testing: Applying Process Tools and Techniques to Quality*. New York: Lawrence Erlbaum Associates.
- Wiles, J. & Bondi, J. (2000). *Supervision: A guide to practice* (5th ed.). New Jersey: Prentice Hall, Inc,.
- William, D., & Black, P. (1996). Meanings and consequences: A basis for distinguishing formative and summative functions of assessment. *British educational Research Journal*, 22(3), 537-48.
- Willig, C. (2001). *Introducing Qualitative Research in Psychology: Adventures in Theory and Method*. Buckingham: Open University Press.



- Wood, R. (1991). Assessment and Testing. Cambridge: Cambridge University Press.
- Yadidi, D.C., & Banda, A. C. (2008). Making assessment for the promotion of teaching and learning in school-the case of the Malawi School Certificate of Education Exams (MSCE). *Journal of Educational Assessment in Africa*. 2(1), 44-52.
- Yandila, C. D., Komane, S. S., & Moganane, S. (2003). Evidence of hands-on Teaching/Learning Approaches in Botswana's Senior Secondary school Science Lessons. A paper presented at World Conference on Science and Technology Education. 7-10 April. Penang. Malaysia.
- Yao, Y., Thomas, M., Nickens, N., Downing, J. A., Burkett, R., S., & Lamson, S. (2008). Validity Evidence of an Electronic Portfolio for Pre-service teachers. *Educational Measurement: Issues and Practice*. 27(1), 10-24.
- Yin, R. K. (2009). Case study research: Designs and methods (4th ed.). Thousand Oaks, CA: Sage.



APPENDICES

See attached CD.

| a. | Appendix 2.1: | Grade descriptors |
|----|----------------|--|
| b. | Appendix 2.2: | Examples of tasks for practical |
| c. | Appendix 2.3: | Criteria for assessing practical tests |
| d. | Appendix 2.4: | Marksheet for scoring the project |
| e. | Appendix 4.1: | A matrix illustrating the constructs and questions |
| f. | Appendix 4. 2: | Teacher questionnaire |
| g. | Appendix 4.3: | School administration questionnaire |
| h. | Appendix 4.4: | Teachers interview schedule |
| i. | Appendix 4.5: | Observation Schedule |
| j. | Appendix 4.6: | Students focus group interview |
| k. | Appendix 4.7: | Teacher Interview Guide |
| 1. | Appendix 4.8: | Student questionnaire |
| m. | Appendix 4.9: | Teacher questionnaire |
| n. | Appendix 4.10: | Student rerecord book |
| 0. | Appendix 4.11: | Ethics Approval |
| p. | Appendix 4.12: | Permission from Ministry |
| q. | Appendix 4.13: | Permission from Regions |
| r. | Appendix 4.14: | Permission from Schools |
| s. | Appendix 4.15: | Student Consent |



t. Appendix 4.15: Participant consent

u. Appendix 4.16: Minor's parental consent

v. Appendix 6.2: Skills equating for Task 2 and 3

w. Appendices 6.3: Task 1 development

x. Appendix 6.4: Task 3 development

y. Appendix 6.5: Experts demographic information

z. Appendix 6.6: Expert Evaluation

aa. Appendix 6.7: Number of items and reliability coefficients

bb. Appendix: 6.9: Teacher Interview schedule

cc. Appendix 7.2: Audio recorded interviews

dd. Appendix: 7.3 Clearance certificate