

# **CURRICULUM VITAE: AJC (Christo) VAN WYK**

**Name:** Adam Johannes Christiaan van Wyk

## **Educational Background:**

B.Sc (UFS): 1979  
HED (UFS): 1979  
B.Ed (Hons)(UFS):1982  
M.Ed (UFS): Candidate

## **Areas of assigned teaching responsibility:**

- Physical Science Education
- Natural Science Education
- Classroom management
- Outcomes-based Education
- Curriculum 2005, Revised National Curriculum Statement
- Practical teaching

## **Teaching experience:**

- Physical Science teacher, Grey College, Bloemfontein, January 1980 - December 1983
- Lecturer, Durban Teacher Training College, January 1984 – December 1985
- Senior lecturer, Durban Teacher Training College, January 1986 – March 1986
- Lecturer, University of the Free State, Department of Curriculum Studies, April 1986

## **Professional memberships:**

- Member of The South African Association of Teachers for Physical Science, 1990 – 1995
- Member of the Executive Committee of The South African Association of Teachers for Physical Science, 1992 – 1993
- Member of Education Association of South Africa, 1986 - 2006

**Conferences attended:**

- Symposium on Subject Didactics, University of South Africa, October 1982
- Eleventh National Convention on Mathematics and Natural Science Education, University of Durban-Westville, Durban, 1 – 5 July 1985
- Symposium: The undergraduate curriculum for teachers of Mathematics and Physical Science, University of Stellenbosch, 6 – 7 October 1986
- Subject Didactics Symposium, Organized by Department of Didactics, UNISA, Alpha Conference Centre, 30 September – 2 October 1987
- Thirteenth National Convention on Mathematics and Natural Science Education, Technikon Pretoria, 3 – 7 July 1989
- Seminar: Die verhouding tussen teorie en praktyk en die betekenis daarvan vir die Opvoedkunde, Faculty of Education, UNISA, 21 May 1991
- Fourteenth National Convention on Mathematics and Natural Science Education, University of Cape Town, 1 – 5 July 1991
- Workshop on: SA beyond 2000. A National consultative forum. To promote and demystify mathematics, science and technology, Jan Smuts Holliday Inn, Johannesburg, 21 – 23 October 1992
- STEME Strategic planning workshop, Jan Smuts Holliday Inn, Johannesburg, 21 – 23 February 1993
- STEME Educational, workshop, Jan Smuts Holliday Inn, Johannesburg, 25 – 26 June 1993
- Fifteenth National Convention on Mathematics and Natural Science Education, University of the Free State, Bloemfontein, 5 – 9 July 1993
- International congress, Science Education in Developing Countries: From Theory to Practice, 3 – 7 January 1993, Jerusalem, Israel
- Sixteenth International Convention on Mathematics and Natural Science Education, Johannesburg College of Education, 9 – 14 July 1995
- Education Association of South Africa (EASA) congress, Wellington, January 1999
- Workshop offered by Hogeschool voor Wetenskap en Kunst (Campus VLEKHO), Brussels, Belgium, 26 May 1999

- Education Association of South Africa (EASA) congress, Bloemfontein, January 2000
- International conference presented by the Netherlands Institute for Curriculum Development (SLO), Enschede, Netherlands, 5 – 8 November 2000
- Education Association of South Africa (EASA) congress, Port Elizabeth, 16 – 18 January 2001
- Annual Meeting of the American Educational Research Association (AERA), Seattle, USA, 10 – 14 April 2001
- Education Association of South Africa (EASA) congress, Bloemfontein, 18 – 20 January 2006

#### **Papers presented:**

- Fourteenth National Convention on Mathematics and Natural Science Education, University of Cape Town, 1 – 5 July 1991: *Goed begin is half gewonne – ‘n Moontlike benadering vir die onderrig van enkele fasette van elektrisiteit in std 6 en 7.*
- International congress, Science Education in Developing Countries: From Theory to Practice, 3 – 7 January 1993, Jerusalem, Israel, *Needs and goals in Science Education in South Africa.*
- Fifteenth National Convention on Mathematics and Natural Science Education, University of the Free State, Bloemfontein, 5 – 9 July 1993, *Die noodsaaklikheid van Natuur- en Skeikunde as skoolvak.*
- Education Association of South Africa (EASA) congress, Wellington, 13 - 15 January 1999, *Die ontwerp van ‘n indiensopleidingskursus vir Kurrikulum 2005.*
- Workshop offered by Hogeschool voor Wetenskap en Kunst (Campus VLEKHO), Brussels, Belgium, 26 May 1999, *Integrated learning areas, problem centered and learner orientated teaching within the context of Curriculum 2005: developing, implementing and evaluating of a program for the in-service training of South African teachers.*
- Education Association of South Africa (EASA) congress, Bloemfontein, January 2000, *Kurrikulum 2005 en*

***Uitkomsgebaseerde Onderwys in die RSA: ‘n Moontlike indiensopleidingsmodel vir fasaliteersders.***

- International conference presented by the Netherlands Institute for Curriculum Development (SLO), Enschede, Netherlands, 5 – 8 November 2000, ***The development of an in-service training course for Outcomes-based Education (OBE) for South African teachers.***
- Education Association of South Africa (EASA) congress, Port Elizabeth, 16 – 18 January 2001, ***Project cooperation on National and International level.***
- Annual Meeting of the American Educational Research Association (AERA), Seattle, USA, 10 – 14 April 2001, Educational reform, ***Outcomes-Based Education and in-service teacher training.***
- Education Association of South Africa (EASA) congress, Bloemfontein, 18 – 20 January 2006, ***Die UV-mentorskapmodel in die opleiding van onderwyser.***

***International Research Visits:***

- 2 – 22 January 1993. The main focus of the visit was to attend and deliver a paper at an international congress on Science Education in developing countries: From theory to Practice, 3 – 7 January 1993 in Jerusalem, Israel. After the congress the following colleagues were visited: (i) Prof M Finegold, head of the Department of Education in Technology and Science, Technikon Haifa, (ii) Prof. Stavy, lecturer in the School of Education, University of Tel Aviv and (iii) Prof Nava Ben-Zvi, head of department of Science Education, Faculty of Natural Science, Hebrew University, Jerusalem
- 21 May to 21 June 1999. Belgium and the Netherlands. The main focus of the visit was to develop an in-service training course for teachers. Visited the Catholic University of Leuven, Belgium and the University of Utrecht, Utrecht, Netherlands. During the visit the following colleagues were visited: (i) professors Peter Rosseel, Eric de Corte, Jan Elen from the Catholic University of Leuven, Belgium and (ii) prof G Kanselaar from the University of Utrecht, Utrecht, Netherlands.

The following organisations were visited to gather information concerning the management of change: Microsoft, Anderson Consulting, Micromatic Research, Raychem and Donaldson. The management of change is an important aspect due to the changes in the education system in South Africa and the implementation of Curriculum 2005.

The following schools were visited in Leuven, Belgium to gain information on Outcomes-based education and practical implications thereof: De Ark, Paridaensinstituut and De Sevensprong.

- 19 September – 9 October 1999. Catholic University of Leuven, Belgium. The main focus of this visit was to have discussions with the Flemish partners that we are collaborating with in the research project: Cross-curricular, problem centered and learner centered education within the framework of Curriculum 2005: development, implementing and evaluation of a program of a program for in-service training of South African teachers.
- 25 October – 5 November 2000. Catholic University of Leuven, Belgium. The main focus of the visit was to prepare and present a paper at the International conference presented by the Netherlands Institute for Curriculum Development (SLO), Enschede, Netherlands, 5 – 8 November 2000. Discussions were held with Proff. Peter Rosseel, Eric de Corte and Jan Elen concerning the writing of articles.
- 5 – 8 November 2000. University of Twente, Enschede, Netherlands. During this time the International conference presented by the Netherlands Institute for Curriculum Development (SLO) was attended and a paper was presented. During the visit here contact was made with international colleagues also working on the terrain of curriculum development.
- 6 – 17 April 2001. The main focus of the visit was to attend and deliver a paper at the Annual Meeting of the American Educational Research Association (AERA), Seattle, USA, 10 – 14 April 2001, Educational reform.

**Publications:****Not accredited:**

- Verwey, C.T., Brazelle, R.R., Wilkinson F.J., Van Wyk, A.J.C., du Pisani, T., Education and Manpower Production (Blacks), No. 1, 1980, Research Unit for Education System Planning (RUEP), University of the Orange Free State, Bloemfontein
- *Measuring classroom achievement – Part one.* In Fundisa, Kwa Zulu Education Journal, Vol 5, no 3, 1993
- *Needs and goals in Science Education in South Africa.* In the proceedings of the international congress Science Education in Developing Countries: From Theory to Practice, 3 – 7 January 1993, Jerusalem, Israel.
- *Die noodsaaklikheid van Natuur- en Skeikunde as skoolvak.* In the proceedings of the Fifteenth National Convention on Mathematics and Natural Science Education, University of the Free State, Bloemfontein 5 – 9 July 1993,
- *Measuring classroom achievement – Part two.* In Fundisa, Kwa Zulu Education Journal, no 1, 1994
- Elen, J., Louw, L.P., Schippers, N., Rosseel, P., Van Wyk, A.J.C. and van Wyk, A.P. *Cross-curricular, problem centered and learner centered education within the framework of Curriculum 2005: development, implementing and evaluation of a program of a program for in-service training of South African teachers.* Catholic University of Leuven, November 1999

**Accredited:**

- *The development of an in-service training course for Outcomes-based Education (OBE) for South African teachers.* Accredited paper delivered at international conference presented by the Netherlands Institute for Curriculum Development (SLO), Enschede, Netherlands, 5 – 8 November 2000.

**Research activities:**

- Classroom management in an Outcomes based Education environment
- Discipline as part of classroom management
- Practical teaching

- Internship for students

**Professional growth activities:**

- Workshop on Outcomes Based Education, Primary Science Program, Johannesburg, 25 – 26 October 1996
- Workshop offered by the National Department of Education on the implementation of the Revised National Curriculum Statement and how to train teachers for the implementation thereof. Bloemfontein, 2 – 5 and 23 – 26 June 2003
- Workshop offered by the National Department of Education on the implementation of the National Curriculum Statement (generic issues) and how to train teachers for the implementation thereof. Bloemfontein, 21 -25 February 2005.
- Workshop offered by the National Department of Education on the implementation of the National Curriculum Statement (subject specific: Physical Sciences) and how to train teachers for the implementation thereof. Durban, 14 – 18 March 2005
- Workshop offered by the Free State Department of Education on the implementation of the National Curriculum Statement (generic issues and subject specific: Physical Sciences) and how to train teachers for the implementation thereof. Bloemfontein, 6 – 8 June 2005
- Workshop on the National Curriculum Statement and the needs of Physical Sciences Teachers offered by Department of Science and Technology, Department of Education and South African Chemical Institute, University of Witwatersrand, 10 – 11 April 2006.
- Follow an assessors course.

**Institutional services performed:**

- External moderator for Subject Didactics of Physical Science, Durban Teachers Training College, 1991 – 2000
- External examiner: Physical Science III (PTD), Teacher Training Colleges, Free State Education Department, 1996 -1997
- External moderator: Physical Science, First Paper (STD), Teacher Training Colleges, Free State Education Department, 1996 -1997

- External moderator: Physical Science, Second Paper (STD), Teacher Training Colleges, Free State Education Department, 1996 -1997
- External moderator: Physical Science, Didactics (STD), Teacher Training Colleges, Free State Education Department, 1996 -1997
- External moderator: Physical Science III (PTD), Teacher Training Colleges, Free State Education Department, 1998 - 2001
- Member of HED- and Ed degree committee, Faculty of Education, 1989 - 1990 –
- Member of Time table committee, Faculty of Education, 1990 - 1992
- Member of Computer committee, Faculty of Education, 1989 – 1995
- Responsible for a Physical Science outreach program to Kagisho Comprehensive Secondary School, 1994 – 1995
- Member of the FDE/ACE committee, Faculty of Education and School of Education, 1995 - 2002
- Program Co-coordinator: Secondary teaching, 2003
- Member of Program Committee, UFS, 2003
- Member of Program Committee, Faculty of Humanities, 2003
- Member of Time table committee, UFS, 2002 – 2003
- Co-coordinator: Practical teaching, 2000, 2004 – 2006
- External Examiner, Walter Sisulu University, Curriculum Studies in Physical Science, HDE/Bed, 2005-2006
- External Moderator, University of Stellenbosch, Didactics(Subject Didactics Physical Science) 764, 2005 – 2006
- Selected by National Education Department as expert reader (Physical Science) for the reading and assessing of the NATIONAL CURRICULUM STATEMENT GRADES 10-12 (GENERAL) SUBJECT ASSESSMENT GUIDELINES PHYSICAL SCIENCES, 2005
- Evaluator preparation workshop offered by Council in Higher Education (CHE), Higher Education Quality Committee (HEQC) to undertake a national review of professional and academic programmes in Education, University of Pretoria, Groenkloof Campus, 29 – 31 May 2006

**Professionally related community activities:**



- Offer several leadership courses for school leaders (primary and secondary schools), 1980 - 2002
- Member of the governing body of Universitas Pre Primary school, 1990- 1996
- Chairperson of governing body of Universitas Pre Primary school, 1993- 1994
- Member of Primary Science Program (PSP) (Free State), 1993 – 1998
- Member of Executive committee Primary Science Program (PSP) (Free State), 1994 – 1998
- Trustee of National Primary Science Program (PSP), 1995 - 1998
- Member of Physical Science subject committee, Free State Education Department, 1986 – 1995
- Secretary of Physical Science subject committee, Free State Education Department, 1989 – 1995
- Various in-service training courses for Physical Science teachers, grade 10, 11 and 12, Free State Education Department, 1986 – 1995
- Various presentations to Physical Science study groups, Free State Education Department, 1986 – 2004
- National Science Olympiad Camp, Primary Science Program, Golden Gate, 1 – 6 December 1996
- Involved in workshop to train departmental officials of the Free State Education Department in the Revised National Curriculum Statement, Bloemfontein, 19 – 20 August 2003
- Offered 20 in-service training courses for teachers in the Free State Education Department and Eastern Cape Education Department on Outcomes Based Education and Curriculum 2005, 1999 – 2003.
- Involved in several workshops to train teachers of the Free State Education Department in the National Curriculum Statement, 2005.
- External moderator for Free State Education Department, ABET section