

Keith W. Alcock - Teaching

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Objective Position teaching mathematics or computer-related topics where I can employ extensive industry, academic, and life experience to make a difference at a high school or middle school in Tucson, AZ.

Experience

The following entries describe classroom experience associated with coursework for Pima Community College's Post-Degree Teacher Certification Program. Additional materials, including an electronic portfolio with artifacts meeting INTASC standards, are available at my website.

Fall 2008

- Internship (EDU290)

University High School, James Madden, 9.5 weeks, full-time

Taught one quarter of primarily Scratch and Visual Basic programming to over fifty students in five sections of the Fundamentals of Information Technology course. Responsibilities included creating and implementing new lessons, grading, attendance, parent conferences, classroom maintenance, developing the course website, account management, and in-service activities.

Spring 2007

- Structured English Immersion Methods (EDU281)

Tucson High Magnet School, Tucson, AZ, Jeanne Deloria, 6 weeks, 15+ hours

Observed, assisted, and developed detailed SIOP-style lesson plan for Geometry class.

Spring 2007

- Secondary Teaching Methods (EDU285)

Tucson High Magnet School, Tucson, AZ, Ronald Hopley, 6 weeks, 15+ hours

Designed and delivered multiple, original lessons for students studying Java and C++ programming on topics of recursion, sorting, pair programming, pointers, and switch statements.

Fall 2006

- Classroom Management (EDU275)

Catalina High Magnet School, Tucson, AZ, Nancy Dettman, 6 weeks, 10+ hours

Contributed technical lessons to CTE courses like Technology Applications for Business.

Fall 2006

- Educational Psychology (EDU 272)

AmeriSchool High School, Tucson, AZ, Gulen Hicks, 6 weeks

Monitored Algebra class and revamped Excel-based interest rate lesson for multiple intelligences.

Spring 2006

- ESL Foundations (EDU274)

Cragin Elementary School, 5th grade, Tucson, AZ, Nancy Tomlinson, 6 weeks, 10+ hours

Assisted with reading in particular and produced a lesson on latitude and longitude.

Spring 2006

- Introduction to Special Education (EDU273)

Cragin Elementary School, 5th grade, Tucson, AZ, Nancy Tomlinson, 6 weeks, 10+ hours

Supported general activities and taught a lesson on bicycle gearing.

Fall 2005

- Introduction to Education (EDU200)

Second Street Children's School, kindergarten, Tucson, AZ, Peggy Sterner, 15 weeks, 30+ hours

Confirmed my interest in teaching with this elective course, worked on child literacy skills.

Additional Experience

2009-

- Substitute Teacher, Amphitheater Public Schools, Tucson, AZ

Substitute Teacher, Flowing Wells School District, Tucson, AZ

Supported absent teachers, primarily math and computer, in middle and high school.

2006-07

- Tutor, Tucson High Magnet School, Tucson, AZ

Worked as a paid tutor, mainly in math, for after school homework help program.

2006-07

- Volunteer, Tucson High Magnet School, Tucson, AZ

Assisted students in Visual Basic, C++, and Java programming courses.

1996-98

- Literature Pal, Martin Luther King Middle School, Berkeley, CA

Exchanged monthly letters with students about their self-selected reading materials.

1991-92

- Tutor, General College, University of Minnesota, Minneapolis, MN

Taught German to an individual with a learning disability as part of a volunteer service program.

1987-89

- Tutor, Institute of Technology, University of Minnesota, Minneapolis, MN

Instructed individuals in college-level Math, Physics, Electrical Engineering, and Computer Science for the institute's tutoring program, earning a Governor's Certificate of Commendation.

Certificate

Arizona Department of Education

- Provisional Secondary Education 7-12, 10/20/08-10/20/10

Approved areas: Computers, Mathematics (NCLB highly qualified)

- Provisional Structured English Immersion Endorsement, K-12, 10/20/08-10/20/10

Education

2008

- Pima Community College, Tucson, AZ

Institutional Recommendation for Secondary Education Teaching Certificate, GPA: 4.0

2003-

- University of Arizona, Tucson, AZ

Graduate and undergraduate courses in Linguistics and Computer Science, GPA: 4.0

1999

- Nijmegen, The Netherlands

National examination for Dutch as a foreign language, proficient in written and spoken language

- University of Minnesota, Minneapolis, MN

Bachelor of Electrical Engineering, computer engineering/digital systems emphasis

1989

1988

Bachelor of Arts in German, German studies emphasis

1987

- Mannheim, Germany

Study at Goethe Institute, Mannheim Technical College, University of Mannheim