

One Page Resume for JAMES "JIM" NELSON

**FORMAL EDUCATION:**

1960	Lebanon Valley College	Annville, PA	B.S. Physics & Math
1963	Temple University,	Philadelphia, PA	M.Ed. Education
1968	Clarkson University	Potsdam, NY	M.S. Physics
1995	University of Central Florida	Orlando, FL	Education Leadership

**CERTIFICATION:**

Penna. Teacher Certification	Physics, Chemistry, Biology, Earth Space Science Mathematics & Computer Science
Florida Certification	Physics, Mathematics, Chemistry, Educational Leadership

**EXPERIENCE:**

2006-2011 Physics Professor at Santa Fe College in Gainesville, FL

2001-2008 Principal Investigator for \$5,000,000 AAPT/PTRA Rural NSF grant.

2001-2006 Teacher Physics, Mathematics and Chemistry at University High School, Orlando, FL

1998-2001 K-12 Science Specialist for Seminole County Public Schools, Florida

1997-2001 Principal Investigator for \$3,500,000 AAPT/PTRA Urban NSF grant.

1991-1998 Secondary Science Specialist for Orange County Schools, Orlando, FL

1961-1991 Teacher Physics (regular, honors, advanced placement); Chemistry (regular, honors, advanced placement); Computer Science (BASIC, PASCAL, Applications); and mathematics (algebra, trigonometry, geometry, calculus) at Harriton High School, Rosemont, PA

**AWARDS AND RECOGNITION (FEW EXAMPLES LISTED BELOW):**

Presidential Chain AAPT from 2002 to 2005

AAPT - Excellence in Pre-College Physics Teaching Award – 2000

Distinguished Service Award, American Association of Physics Teachers - 1987

Presidential Awardee for Excellence in Science Teaching - 1986

Executive Board of American Association of Physics Teachers HS Representative - 1986 to 1989

Awarded Outstanding Science Teacher of the year by Temple University - 1983

**OVER 60 ITEMS PUBLISHED (FEW EXAMPLES LISTED BELOW):**

<u>TITLE</u>	<u>JOURNAL</u>	<u>DATE</u>
AAPT/NSTA High School Physics Examination	<u>The Physics Teacher</u>	1983, February
Physics Contests for High School Students	<u>The Physics Teacher</u>	1983, March
Static Equilibrium	<u>The Science Teacher</u>	1985, December
Story of Blind Society	<u>The Physics Teacher</u>	1986, September
Magnetic Bacteria with Jane Nelson	<u>The Science Teacher</u>	1992, April
Classifying Motion with Jane Nelson	<u>The Physics Teacher</u>	1992, October
What is Science?	<u>Florida Science Teacher</u>	1994, April
Role of Laboratory in Intro. Physics Book	<u>Published by AAPT</u>	1996, January
Integrated Curriculum	<u>Florida Science Teacher</u>	1997, April
Teaching about Geometric Optics	<u>PTRA Teacher Resource</u>	1999, July
Physics Teaching Resource Agent Program	<u>The Physics Teacher</u>	2001, April

**PROFESSIONAL ACTIVITIES (FEW SAMPLES LISTED BELOW):**

President American Association of Physics Teachers 2004

President of Florida Association of Science Supervisors 2001

Chair American Association of Physics Teachers Examination development Committee 1980 - 1988

Assistant Editor of THE PHYSICS TEACHER Journal from 1985 to 1988