

RESUME
JAMES TISEL

(home)
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Education:

Ph.D. Science Education, Department of Curriculum and Instruction,
University of Minnesota, 2016. Dissertation: Within Case and Cross-Case
Analyses of Questions Posed by Fifth-Grade Students Working in Small
Groups to Investigate Pendulum Motion.

M.A. Mathematics Education, University of Minnesota, 1988.
Thesis: The Effects of Three Methods of Computer Programming
Instruction on the Mathematical Problem – Solving Performance of
Senior High School Students.

B.S. Physics Major, Mathematics Major, College of Education, University
of Minnesota, 1978.
Coaching Certificate Program

Professional Licenses:

State of Minnesota File Folder 257927 (valid through June 2026)
Secondary Mathematics
Secondary Physics
Coaching Certificate

Professional Memberships:

American Association of Physics Teachers
Minnesota State High School Golf Coaches Association
Go4St8 Physics Group
Autism Society of Minnesota

Additional Qualification, Professional Service:

**Assistant Examiner for International Baccalaureate (IB) Physics
(2005-present)**

Professional Experience:

**Holy Family Catholic High School, Victoria, Minnesota, U.S.A.
(2016-2021)**

High School Physics Teacher

Courses: College Prep Physics, Honors Physics, AP Physics C

Coaching: Junior Varsity Girls' Golf

Professional Service: License Renewal Representative

Mentorship: Mentoring new teacher, summer 2021

**St. Paul Academy and Summit School, St. Paul, Minnesota, U.S.A
(2005 – 2016)**

Middle School Science and Mathematics Teacher (2005-2015)

Upper School Physics Teacher (2015-2016)

Courses: Eighth Grade Physical Science, Sixth Grade Advanced Mathematics, Seventh Grade Life Science, Ninth Grade Algebra Plus, Honors Physics, College Prep Physics

Coaching: Girls' Varsity Golf, Boys' Junior Varsity Basketball

Committee: Education Committee (2005-6)

**American School of The Hague, Wassenaar, The Netherlands
(1993-2005)**

Middle School Mathematics Teacher (1993-1995)

High School Mathematics and Physics Teacher (1995-2005)

Courses: IB Higher Level Physics, IB Higher Level Mathematics, Advanced Placement (AP) Calculus BC, AP Calculus AB, Mentored Independent Study, AP Physics C, Calculus III, AP Statistics, Geometry, Algebra, Honors Physics, Physics, Physics Concepts, Eighth Grade Mathematics, 7th Grade Math

IB Group IV Science Project, Texel Island (1998-2004)

Coaching: Boys' Varsity Basketball (1994-'05) Girls' Varsity Basketball (1993-'04), Golf (1999-'05)

Curriculum Committee Membership: PK-12 Science, (2003-'05) Math, (1999-2001), Science, 1995-6, Middle School Math, (1994)

Leadership: Mathematics Department Chair, (2001-'05), Mathematics – Science Department Coordinator, (1999-'01) ECIS/MSA Accreditation Self Study Coordinator PK-12 (01-'02) Learning Leadership Committee Member, (2002-'04) Salary Committee Chair, 1997-8, other salary committee roles

Professional Development:

Accreditation Workshop,
Numerous visits to ECIS annual conference,
ESA Astrophysics conference, Noordwijk, Netherlands,
IB Physics Workshops; New York, 1994, 1997, Bilbao, 2001
IB Mathematics Workshops; Birmingham, 1996, Oakham
England, 2004

John F Kennedy German American School, Berlin, Germany (1988-1993)

Middle and Upper School Mathematics and Physics Teacher

Courses: Seventh, Eighth, Tenth Grade Physics, AP Physics C,
AP Calculus AB, Algebra II, Geometry, Seventh Grade
Mathematics, High School Physics

Leadership: Acting American Physics Department Chair, 1990-93
PK-12 Computer Committee Chair, 1992-3
7-12 ECIS/NEASC Five Year Accreditation Report Chair, 1990-91

Professional Development:

Four courses in the German language
Certification workshop for use of nuclear physics curriculum,
materials, 1992
Woodrow Wilson Mathematics workshop, St. Catherine's, 1992
Accreditation Workshop, ECIS, 1990
Attained full **tenure** position, 1992

American School in Aberdeen, Scotland: (1985-1986)

Middle and High School Mathematics and Physics Teacher

Courses: Physics, Geometry, Algebra, Computer

Coaching: Girls' Varsity Basketball

Other: Camping, Hiking Trip across Mount Keen

Apple Valley High School, Apple Valley, Minnesota, U.S.A. (1984-1985)

High School Mathematics Teacher

Courses: Algebra, Geometry, Computer Programming

Coaching: Ninth Grade Boys' Basketball

Waconia High School, Waconia, Minnesota, U.S.A.

(1986-1988 and 1978-1984)

High School Physics, Mathematics, Science, Computer

Junior High Mathematics, Science

Courses: Physics, Pre-calculus, Computer Programming (BASIC),
AP Calculus AB, Energy and Resources, Developmental
Mathematics, Geometry, Trigonometry, Eighth Grade
Mathematics, Eighth Grade Science, Exploring the Sciences

Coaching: Seventh Grade Boys' Basketball, Tenth Grade Boys'
Basketball, Varsity Girls' Basketball, Varsity Boys' and Varsity
Girls' Golf. Girls' Golf team to state 1981-1984

Leadership: Computer Committee Coordinator (Informal)

Presentations:

Poster Presentation, Ph.D. Dissertation, Student Questions in Science, AAPT Summer meeting, Washington, D.C. 2018

The Group IV Project; ECIS Conference, Nice France, 2006.

In Search of the Exponent: Finding the Force Between Two Magnets as a Function of Distance; ECIS Fall Conference, Berlin, 2002

The Group IV Project; ECIS Conference, Nice France, 1999

Interactive Physics; ECIS Conference, Nice France, 1999

Using the Video Camera in Physics Labs; ECIS, Nice, 1997

Integrated Mathematics Problems; ECIS, Hamburg, 1994

BASIC Programming; TIES Conference, 1985, Minnesota

Accreditation Visiting Team Member:

Le Bocage International School, Mauritius (2003)
Eerde International School, The Netherlands (2002) (boarding school)
American School of Las Palmas (five year, 2001)
Latvia International School (2000)
Frankfurt International School (1998)
St. Andrews' School, Ireland (1994)
American International School of Zurich (1991)
TASIS England (1990) (boarding)

Award:

St. John Baptist De La Salle Award (Lasallian Educator of the Year)
Holy Family Catholic High School, 2020-2021