

JASON MARSHALL

PROFESSIONAL PROFILE

- Accomplished career as a secondary teacher of mathematics and sciences (physics), with outstanding track record at assuring student success.
 - Effective communicator with excellent planning, organization and implementation skills
 - Ability to lead, reach consensus and attain results
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EDUCATION

Honours Specialist (Physics) – O.I.S.E. (University of Toronto) – July 2006

Bachelor of Education (B.Ed) – Trent University – June 2004

Intermediate/Senior Physics & Mathematics

Entrance scholarship & Robert Stephenson Award & OSSTF School of Education Award

Graduate Courses in Physics/Astrophysics – Queen’s University – September 2000 to May 2002

Carl Reinhardt Fellowship in Physics

Specialized Honours Bachelor of Science (B.Sc., Hon) – York University – June 2000

Physics & Astronomy

Entrance scholarship

Diplôme d’études secondaires de l’Ontario – Collège Notre-Dame – June 1995

Sudbury, Ontario

WORK EXPERIENCE

September 2011 to Present

TEACHER (SCIENCE/PHYSICS & MATHEMATICS)

Upper Canada District School Board – **St. Lawrence Secondary School**

Delivery of grade 9 to 12 courses in mathematics and sciences and physics

Experience in: MFM1P, MPM1D, MAT2L, MFM2P, MPM2D, MBF3C, MEL3E, MEL4E, MCR3U
SNC1L, SNC1P, SNC1D, SNC2P, SNC2D, SNC3E, SPH3U, SPH4C, SPH4U

October 2010 to June 2011

TEACHER (PHYSICS & MATHEMATICS)

Upper Canada District School Board – **Cornwall Collegiate and Vocational School**

Delivery of grade 11 and 12 courses in mathematics and physics

Experience in: MBF3C, MEL3E, MEL4E
SPH3U, SPH4C, SPH4U

September 2004 to October 2010

TEACHER (SCIENCE & MATHEMATICS)

Upper Canada District School Board – **St. Lawrence Intermediate School**

Delivery of grade 9 and 10 courses in mathematics and sciences

Experience in: MFM1P, MPM1D, MAT2L, MFM2P, MPM2D
SNC1L, SNC1P, SNC1D, SNC2P, SNC2D, SNC3E

- September 2002 to August 2003** **EXECUTIVE ASSISTANT**
 United Way/Centraide Sudbury & District
 Office manager to the director, planning office operations, orders, and reception, as well as
In-Kind Program Coordinator: planning, inventorying and communicating with community
 groups about donations to reduce costs for not-for-profits in the community
- September 2000 to May 2002** **PUBLIC OUTREACH ASSISTANT**
 Queen's University Astronomical Observatory
 Organized and delivered the public outreach program to various school and community groups
- September 2000 to May 2002** **RESEARCHER**
 Queen's University Astronomy Research Group - under David Hanes
 Worked on research related to globular cluster systems in M31 and NGC5896
- September 2000 to April 2002** **TEACHING ASSISTANT**
 Queen's University
 Lab demonstrator for PHYS107 and PHY104/05, leading, planning and implementing lab work, as
 well as evaluating student work
- September 1997 to June 2000** **OBSERVING STAFF**
 York University Astronomical Observatory – under Paul Delaney
 Responsible for observations of SX Phoenicis stars, part of a long term study of variable stars
"Blake, R. M., Khosravani, H., Delaney, P.A. (2000) Period Changes in the SX Phoenicis Stars. I. BL Camelopardalis and DY Pegasi. Journal of the Royal Astronomical Society of Canada. 94 (June), 124-129".
"M. Blake, H. Khosravani, P. Delaney, J. Marshall, et al. (1998) CASCA Poster – Observations and Analysis of the Light Curves of Three SX Phoenicis Stars: XX Cyg, DY Peg and BL Cam."
- September 1997 to June 2000** **PUBLIC OUTREACH ASSISTANT**
 York University Astronomical Observatory
 Organized and delivered the public outreach program to various school and community groups
- May 1999 to August 1999** **DEFENCE RESEARCH ASSISTANT**
 Defence Research Establishment Valcartier (DREV) - under Jacques Bédard
 Develop code to simulate and detect in real-time signals in urban environments
- May 1998 to August 1998** **RESEARCH ASSISTANT/TUTOR**
 Deep River Science Academy (DRSA) – under Ailsa Eyvindson
NSERC Industrial Undergraduate Student Research Award
 Responsible for a project to test gasket leakage and supervised two high school students on the
 project for six weeks
- May 1996 to August 1996** **CLERICAL WORKER/LABOURER**
 Syncrude Canada Ltd.
 Responsible for computer data entry, preparing engineering packages, maintenance work
- September 1990 to August 1995** **CLERICAL WORKER**
 Westmark Waterproofing
 Responsible for computer data entry (documents and financial records)

OTHER EXPERIENCE

- May 2012 to Present** **MENTOR**
North Glengarry Stormont FIRST Lego Robotics Club – *NGS Tech Tigers*
- August 2011 to Present** **MEMBER (Regional Science Fair Representative)**
Youth Science Ontario Regional Science Fair Advisory Panel
- April 2011 to June 2011** **MEMBER (CCVS Family of Schools)**
Upper Canada District School Board – Critical Inquiry (Hubs & Nodes)
- October 2010 to Present** **REGIONAL COORDINATOR**
School Reach (SD&G Region)
- June 2009 to Present** **CHAIR/FACILITIES COORDINATOR/DELEGATE**
United Counties Science Fair
- January 2005 to June 2009** **VICE-CHAIR/FACILITIES COORDINATOR/DELEGATE**
United Counties Science Fair (UCSF)
- June 2006 to October 2010** **VICE-STEWART**
District 26 Ontario Secondary School Teachers’ Federation (OSSTF)
- September 2005 to June 2008** **EDUCATIONAL SERVICES REPRESENTATIVE**
District 26 Ontario Secondary School Teachers’ Federation (OSSTF)
- August 2003 to June 2004** **PRESIDENT**
Trent University Education Students Association (ESA)
- August 2003 to June 2004** **MEMBER**
Trent University School of Education and Professional Learning
Committee: Strategic Planning; Curriculum; Teacher Education Advisory;
Teacher Education Liaison; Practicum Advisory Steering Team; IT; Library
- January 2003 to April 2004** **PROGRAMMER AND HOST**
CKLU Radio and Trent Radio
- January 2001 to May 2002** **MEMBER & ACTING CHAIR (Fall Sem. 2001)**
Queen’s University Light Pollution Abatement Committee
- January 2001 to May 2002** **MEMBER**
Queen’s University Joint Astro/Particle Seminar Planning Committee
- September 1998 to April 2000** **MEMBER (BETHUNE COLLEGE REPRESENTATIVE)**
York University Quality of Campus Life Committee (also served on Agenda Setting Committee)
- September 1997 to April 1998** **GENERAL MEMBER**
York University Science Student Caucus (Faculty of Pure and Applied Science Curriculum Committee)
- September 1996 to April 1999** **PRESIDENT/TREASURER**
York University Astronomy Physics Club

CONFERENCES & WORKSHOPS

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- Boomerang Project – Link Crew Training (2012) – Cornwall, Ontario
- Youth Science Ontario Regional Science Fair Conference (2011) – Toronto, Ontario
- Canada Wide Science Fair (2011) – Toronto, Ontario
- Youth Science Ontario Regional Science Fair Conference (2010) – Toronto, Ontario
- Canada Wide Science Fair (2010) – Peterborough, Ontario
- Sci-Tech Ontario Regional Science Fair Conference (2009) – Toronto, Ontario
- Canada Wide Science Fair (2008) – Ottawa, Ontario
- Sci-Tech Ontario Regional Science Fair Conference (2008) – Belleville, Ontario
- Interactive Technology in Education Conference [ITEC] (2007) – OUIT, Durham, Ontario
- Canada Wide Science Fair (2007) – Truro, Nova Scotia
- Sci-Tech Ontario Regional Science Fair Conference (2007) – Toronto, Ontario
- Targeted Implementation and Planning Supports for Revised Mathematics [TIPS4RM] (2006)
- Kemptville Ontario
- Canada Wide Science Fair (2006) – Saguenay, Quebec
- Canada Wide Science Fair (2005) – Vancouver, British Columbia
- Ontario Association for Mathematics Education Annual Conference (2004) – Waterloo, Ontario
- OAME Pine-Ridge Kawartha District Meeting (2004) – Lindsay, Ontario
- Partners in Practice Conference (2004) – Peterborough, Ontario
- Meeting Learner Expectations Workshop (2004) – Peterborough, Ontario
- United Ways of Northern Ontario Summit (2003) – Sudbury, Ontario
- United Way/Centraide Leadership Development Program Workshop (2003) – Sudbury, Ontario
- United Way/Centraide Leadership Development Program Workshop (2002) – Sudbury, Ontario
- Canadian Astronomical Society [CASCA] Annual Conference (2001) – Hamilton, Ontario
- Queen’s IDC: Surviving Your TA-ship Workshop (2000) – Kingston, Ontario
- Queen’s IDC: Leading Effective Labs Workshop (2000) – Kingston, Ontario
- Photonics Research Ontario [PRO] Industry-Student Retreat (1998) – Alliston, Ontario
- Canadian Undergraduate Physics Conference [CUPC] (1998) – Kingston, Ontario

SCHOOL RELATED EXTRA-CURRICULARS

- Supervisor for the SET Club at St. Lawrence Secondary School
 - 2011 to Present
- Supervisor for the Intermediate and Senior School Reach team at St. Lawrence Secondary School
 - 2011 to Present
- Supervisor for the Senior School Reach team at Cornwall Collegiate and Vocational School
 - 2010 to 2011
- Supervisor for the Stage & Tech Crew at St. Lawrence Intermediate School
 - 2005 to 2009
- Supervisor for the Intermediate School Reach Team at St. Lawrence Intermediate School
 - 2006 to 2010
- Supervisor for the Model Solar Car Team at St. Lawrence Intermediate School
 - 2006
- Supervisor for the Midget Girls Volleyball at St. Lawrence Intermediate School
 - 2004 & 2005
- Mentor for the Thomas A. Stewart Secondary School FIRST Robotics Club
 - 2004

PROFESSIONAL ASSOCIATIONS

- OSSTF – Ontario Secondary School Teachers Federation – **August 2003 to Present**
- OAPT – Ontario Association of Physics Teachers – **January 2004 to December 2010**
- OAME – Ontario Association of Mathematics Educators – **May 2004 to April 2005**
- STAO – Science Teachers Association of Ontario – **December 2003 to December 2004**
- CASCA – Canadian Astronomical Society/Société canadienne d’astronomie – **April 2001 to April 2002**
- OSA – Optical Society of America – **January 1998 to December 1999**

LANGUAGES

- Proficient & Fluent in the English language, written and oral
- Some fluency in the French language, written and oral

TECHNICAL SKILLS

- Computer languages – FORTRAN, C, C++, HTML
- Windows Applications – Word, Excel, PowerPoint, Access, FrontPage
- Additional Applications – Smartboard hardware and software and CPS Clickers
- Experimental methods and procedures in a laboratory environment