

PROFILE

- Enjoy a reputation as a creative, analytical, open-minded, and innovative teacher who advocates for students
- 21 years of success teaching scientific content with a fresh perspective that gains student interest
- Enjoy the challenge of effectively incorporating new technologies into the outdoor classroom and laboratory settings

PROFESSIONAL EXPERIENCE

FORESTRY EDUCATION SPECIALIST – LEAF PROGRAM IN WI CENTER FOR ENVIRONMENTAL EDUCATION UW STEVENS POINT 2018 – CURRENT

- Consult with schools, school districts, and Cooperative Educational Service Agencies personnel to implement sustainable forestry efforts and education, particularly those related to **school forests of Wisconsin**
- Develop communication tools and professional development programming to support the LEAF program (e.g. author articles, teach workshops, and present at professional educator conferences)
- Provide administrative support to the LEAF program (e.g. database, development of electronic files, updates to handbooks, coordination of state school forest awards)
- Connect forestry resources and professional services to K-12 school communities, to other WCEE programs, and to other environmental education organizations statewide

MANAGER – TEACHER – EDUCATIONAL CONSULTANT

SNAPSHOT SCIENCE, LLC 2010 – CURRENT

- Designed and taught Snapshot Science Club science enrichment grades K-2 & 3-5 for after-school programs for public, private, and home schools. **Underwater robotics** for grades 7-8.
- K-5 Summer camps in Wausau – The Science of Music...Sports...Art; Aquatic Sciences – Washington Island Art & Nature Center
- ACT Prep Science Workshops
- **Manage the Rudolph Environmental Center for Newman Catholic Schools**
- Visit www.snapshotscience.org for more complete details

ADJUNCT FACULTY

NORTHCENTRAL TECHNICAL COLLEGE 2011 - 2017

- General Studies Department – Principles of Sustainability (online & in-person), General Chemistry

SCIENCE EDUCATOR / ADVISOR / COORDINATOR / COACH

Newman Catholic High School, Wausau, WI

1998 – 2010

Science Educator

- **Taught Biology, Advanced Placement Biology, Human Anatomy & Physiology, Chemistry, & Ecology**
- Developed Grades 9–12 standards-based Science curriculum, with a focus on scientific literacy & process skills
- **Integrated computer technology into the classroom** (e.g., students used Web 2.0 for blog assignments, to submit assignments via Microsoft Word & PowerPoint, to upload assignments to TurnItIn.com for plagiarism checks)
- Compiled & analyzed writing rubrics for schoolwide Writing Across the Curriculum program

Advisor

- **Advised students on Senior Projects, including [Young Epidemiology Scholar national presenter](#)** (April 2010)
- Served as a Cooperating Teacher for UW–Stevens Point student teacher
- **Founded & facilitated extra-curricular Conservation Club for 8 years;** led environmental service, recreation, & education projects in school, community, & state

Coordinator

- Coordinated Science Department activities (e.g., meetings, budget, & annual research scholarship competition)
- Served as **School Forest Coordinator** to direct K–12 hands-on learning activities at Rudolph Environmental Center
- Served as **Technology Room Coordinator** for Senior Project presentations
- Newman Catholic High School Science Lab renovation and design team

Coach

- **Coached 2 state-level science competition teams ([listen to podcast](#))**
- Served as Assistant Soccer Coach (11 seasons)

- ARMADA PROJECT MASTER TEACHER** Graduate School of Oceanography–University of Rhode Island 2004 – 2007
- Mentored 2 teachers; Planned and conducted a field-research trip with each mentee
 - Conducted National Science Foundation (**NSF**) funded research aboard the USCGC Healy in the Beaufort & Chukchi Seas of the **Arctic Ocean**
 - **Presented at 2005 & 2007 National Science Teachers Association (NSTA) Conference on Science Education**

- STUDENT TEACHER** Ben Franklin Jr. High / Stevens Point Area Senior High (SPASH), Stevens Point, WI Spring 1998
- Taught Life Science (Grade 7) & General Science (Grade 8)
 - Taught Biology (Grade 10) & **Conservation Biology** (Grades 11 & 12)

- PRACTICUM TEACHER / TEACHER ASSISTANT** Stevens Point, WI 1996 – 1997
- Co-taught a high school summer **Field Biology** class at SPASH
 - Served as a Human Physiology Teacher Assistant at University of WI–Stevens Point
 - Performed Chemistry demonstrations at Pacelli High School
 - Developed a Microsoft Excel computer regression model program for a Biology class at SPASH

- GRADUATE ASSISTANT / RESEARCHER** Cooperative Fisheries Research Unit, University of WI–Stevens Point 1993 – 1995
- Completed Master of Science thesis project: A Survey of Lakes on the Menominee Indian Reservation, Wisconsin
 - **Instructed undergraduate lab & led fieldtrips;** Led team of technicians to collect biological & chemical data
 - Conducted lab analyses of water quality & wrote management plans for 55 lakes

PROFESSIONAL MEMBERSHIPS

- Current
- **National Science Teachers Association (NSTA)**
 - **Wisconsin Society of Science Teachers (WSST)**
 - **Wisconsin Association for Environmental Education (WAEE)**
 - **Society of American Foresters (SAF)**

CERTIFICATIONS

- Lifetime
- WI DPI - Professional Educator File Number 589959
 - Grades 5-12 Environmental Science (1615); Biology (1605); Chemistry (1610)
 - General Science: 5–9, WI DPI #1621
- Current
- Wisconsin Technical College Instructor
 - National Soccer Coaches Association of America (NSCAA) – High School Soccer (no expiration)
 - American Sport Education Program (ASEP) – Coaching (no expiration)

ACADEMIC PREPARATION

- TEACHER CERTIFICATION** University of WI–Stevens Point, May 1998
- MASTER OF SCIENCE, Natural Resources:** Fisheries University of WI–Stevens Point, December 1995
- BACHELOR OF SCIENCE,** Environmental Science (Biology Emphasis), Chemistry Minor, **Graduated Cum Laude**
Stephen F. Austin State University, Nacogdoches, TX, May 1993

ACHIEVEMENTS

- Grants
- **WI DPI Robotics League Grant through UW-Marathon Continuing Education Robotics Club (2017)**
 - Beyond Pencils Grant – Seeing Nature Through the Lens of Tech “Knowledgey” (2009)
 - Beyond Pencils Grant – Understanding Watersheds: Where Does the Water Go? (2006)
 - Wisconsin Environmental Education (EE) Board Grant – Wausau Area Catholic Schools EE Curriculum Initiative (2001)
 - Beyond Pencils Grant – Student Management of Local Natural Resources (2000)
 - Beyond Pencils Grant – DNA Fingerprinting with Gel Electrophoresis (1999)

Awards

- **Friend of Conservation Award – North Central Land & Water Conservation Association (2003)**
- Radio Shack National Science & Math Teacher Awards – Honorable Mention (2001)

Distinctions

- **ARMADA Project Master Teacher (2004)** see above
- Assistant Soccer Coach at WIAA Division III State Tournament (2003)
- University of WI – Stevens Point Men’s Soccer Club – player in the National Collegiate Club Championship Tournament (1994)
- Stephen F. Austin State University: Alpha Chi, Beta Beta Beta (Biology), Gamma Sigma Epsilon (Chemistry)
- University of WI–Stevens Point: Kappa Delta Pi (Education) & Phi Kappa Phi
- Boy Scouts of America – **Eagle Scout**

Volunteer/Community Activities

- Founder, Director, and Mentor of STEM ROV Underwater Robotics Club at UWSP - Wausau (2015 – Current)
- [Colossal Fossils](#) Board Member (2017 – Current)

STEPHEN H. SCHMIDT, MS

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PROFESSIONAL REFERENCES

Dr. Perry Cook

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Jan Klosinski

Retired – Former President
[Newman Catholic Schools](http://NewmanCatholicSchools.com)
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Larry Theiss

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Steve Knudsen

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Therese Kluck

Homeschool Parent Leader
Academic Consignors - Owner
(715) 454-7126

Nancy Cedar

Out-of-school Learning Coordinator
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PROFESSIONAL PRESENTATIONS

- Explore Wisconsin Waters with Underwater Drones – Science in the Northwoods Research Conference & WAEE Fall Conference (2019)
- Wisconsin High School Forestry Course Needs Assessment – WSST and Wisconsin Association of Agricultural Educators Annual Conferences (2019)
- Underwater Robotics Programs for Youth. Wisconsin Afterschool Association Spring Conference (2019)
- Snapshot Science Club Workshop, Wisconsin Afterschool Association Spring Conference (2016 & 2017)
- **Rudolph Environmental Center: Past, Present, and Future – Teacher In-service, Newman Catholic Schools (2012)**
- Understanding Watersheds: Where Does the Water Go? **National Conference on Science Education**, St. Louis, MO (2007)
- ARMADA Project Workshop. **National Conference on Science Education**, Dallas, TX (2005)
- ARMADA Project. Wisconsin Society of Science Teachers Annual Conference, La Crosse, WI (2005)
- Senior Science Projects: Tools for Career Exploration. WI Society of Science Teachers Annual Conference (2002)

PUBLICATIONS

- Schmidt, S. H. (Fall 2018 – Current) School Forests of Wisconsin (Series). Wisconsin Woodlands. A publication of the Wisconsin Woodland Owners Association.
- Meronek, T. G., Bouchard, P. M., Buckner, E. R., Burri, T. M., Demmerly, K. K., Hatleli, D. C., Klumb, R. A., **Schmidt, S. H.**, & Coble, D. W. (1996). [A review of fish control projects](#). *North American Journal of Fisheries Management*, 16(1), 63–74.
- Schmidt, S. H.** (1995). *A survey of lakes on the Menominee Indian Reservation, Wisconsin*. Master's thesis, University of Wisconsin, Stevens Point. 359pp.

PROFESSIONAL DEVELOPMENT & CONTINUING EDUCATION

- 2019 PRESCRIBED FIRE FOR OAK MANAGEMENT WORKSHOP. UWSP FORESTRY EDUCATION DEVELOPMENT INITIATIVE. TOMAHAWK, WI.
ENERGY IN NATURE WORKSHOP – KEEP CENTRAL WISCONSIN ENVIRONMENTAL STATION, AMHERST, WI
- 2018 BIOMASS ENERGY – KEEP ONLINE COURSE
- 2017 NATIONAL SCIENCE TEACHERS MIDWEST REGIONAL CONFERENCE ON SCIENCE EDUCATION, MILWAUKEE, WI.
STUDENT BEHAVIOR MANAGEMENT. NORTHCENTRAL TECHNICAL COLLEGE-FQAS COURSE. WAUSAU, WI.
WISCONSIN SOCIETY OF SCIENCE TEACHERS ANNUAL CONFERENCE, BROOKFIELD, WI.
- 2016 ASSESSMENT. NORTHCENTRAL TECHNICAL COLLEGE –FQAS COURSE - ONLINE, WAUSAU, WI.
WISCONSIN SOCIETY OF SCIENCE TEACHERS ANNUAL CONFERENCE, LACROSSE, WI.
- 2015 NATIONAL SCIENCE TEACHERS ASSOCIATION NATIONAL CONFERENCE ON SCIENCE EDUCATION. CHICAGO, IL.
- 2014 WISCONSIN SOCIETY OF SCIENCE TEACHERS ANNUAL CONFERENCE, APPLETON, WI.
STEAMWORKS: 10 QUINTILLION AND COUNTING – THE SCIENCE AND ART OF THE INSECT. UW-LACROSSE, WI.
ONLINE CURRICULUM AND COURSE DESIGN IN WIDS. NORTHCENTRAL TECHNICAL COLLEGE. WAUSAU, WI.
- 2013 KEEP ENERGY EDUCATION CONCEPTS AND PRACTICES – ONLINE UW-STEVENS POINT. STEVENS POINT, WI.
ADVANCED AUTISM TRAINING IN COMMUNICATION. WISCONSIN DEPARTMENT OF PUBLIC INSTRUCTION. BROOKFIELD, WI.
WISCONSIN SOCIETY OF SCIENCE TEACHERS ANNUAL CONFERENCE, WAUSAU, WI.
- 2012 Wisconsin Society of Science Teachers Annual Conference, Madison, WI.

- 2011 High School Laboratory Safety Certification. Flinn Scientific. online <http://labsafety.flinnsci.com>
Teaching with Love and Logic. Love and Logic Institute. Middleton, WI
Teaching with Great Lakes Data Workshop. COSEE Great Lakes. UW Milwaukee. Milwaukee, WI.
- 2010 Effective Educational Programming for Students with Autism: Basic Level. Wisconsin Department of Public Instruction, Waukesha, WI.
- 2009 Careers in Natural Resources Workshop. University of Wisconsin – Stevens Point. Central Wisconsin Environmental Station. Amherst Junction, WI.
- 2008 Caring for the Mental Health of Your Students. St. Thomas University. Lerner’s Edge Online Class
LabQuest Data Collection workshop. Vernier Software & Technology. Madison, WI.
- 2007 National Conference on Science Education, St. Louis, MO.
- 2005 National Conference on Science Education, Dallas, TX.
Wisconsin Society of Science Teachers Annual Conference, La Crosse, WI
- 2004 Wisconsin Society of Science Teachers Annual Conference, Appleton, WI.
ARMADA Project Master Teacher Workshop, University of Rhode Island Graduate School of Oceanography. Narragansett, RI.
- 2002 Wisconsin Society of Science Teachers Annual Conference, Madison, WI.
- 2001 Wisconsin Society of Science Teachers Annual Conference (combined with Minnesota Science Teachers Association), Duluth, MN.
- 2000 **Wisconsin Environmental Education Board Grant Workshop.** Trees for Tomorrow. Eagle River, WI.
- 1999 School Forest Planning Workshop. Trees for Tomorrow. Eagle River, WI.

S N A P S H O T
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