

# John Middendorf Teaching Resume (to 2020)

## Teaching Experience

2020 St. Virgil's College, Austins Ferry, Tasmania

--Digital Technologies Teacher

2017-9 Montrose Bay High School, Glenorchy, Tasmania

--Math and Science Relief Teacher

2016 Sacred Heart College, New Town, Tasmania

—Teacher of Science (Terms 1-2)

2013-2015 Montrose Bay High School, Glenorchy, Tasmania.

—Teacher of Mathematics, Science, Robotics

*Teaching Practicals (as part of the Master of Teaching degree, UTAS):*

2012 (24/9-19/10) Clarence High School Year 7-9 (Tim Millar and Celina Wilson)

2012 (30/4-25/5) Sacred Heart College Year 7-10 (Meredith Balfe)

2011 (8/8-26/8) South Arm Primary Year 5/6 (Christine Farnell)

2011 (16/5-28/5) Lauderdale Primary Prep (Leeanne Clifford)

## Education

2011-2012 **Master of Teaching**  
*University of Tasmania*

2005-2006 **Geographic Information Systems Graduate Certificate**  
*Penn State, USA*

2003 **Master of Engineering program**  
*University of New South Wales*

2000-2001 **Master in Design Studies**  
*Harvard University Graduate School of Design, USA*

1978-1983 **Bachelor's of Science, Mechanical Engineering**  
*Stanford University, USA*

## Teaching Skills

Effective classroom management; extensive subject matter knowledge; engaging lesson plan designs with clear outcomes; strong knowledge of the Australian Curriculum and Tasmanian Assessment, Standards and Certification (TASC); strong rapport with students and passion for teaching and encouraging young minds to become lifelong learners.

## Design and ICT Skills

Skills in computer aided design and manufacture (CAD/CAM); several programming languages; extensive GIS mapping skills; proficiency with office, desktop publishing, and database tools.

## Selected Volunteer Work

- Board member of the American Alpine Club.
- Volunteer river guide for Youth at Risk, former board member for Grand Canyon Youth.
- Search and Rescue in Yosemite National Park (technical climbing division).
- Elected Town Council member in Pagosa Springs, Colorado.
- Volunteer computer consultant for the non-profit Tasmanian Land Conservancy.

## Employment History

- 2016-2018            **Founder and Head of Design**  
*D4 BigWallGear Design (Cremorne, Tasmania)*  
Developed a new innovative design in portaledge technology (the hanging platforms climbers use to sleep on cliffs), resulting in a successful Kickstarter crowd funder and fulfilment of a long standing dream.
- 2013-2016            **Secondary Teacher of Mathematics, Science, and Robotics**  
*Montrose Bay High School (Glenorchy, Tasmania) and Sacred Heart College (New Town, Tasmania)*  
Developed new school-wide unit plans and lessons, honed behaviour management skills, initiated and implemented TQA Mathematics program.
- 2005-2011            **Programmer and Consultant (Owner)**  
*Lynx Geosystems (Colorado & Hobart, Tasmania)*  
Created custom Geographic Information Systems (GIS) solutions, specialising in digital online mapping applications.
- 2000-2005            **Architect and Engineer**  
*Desert Light Structures (Flagstaff, Arizona)*  
Designed and manufactured residential-scale tension-fabric structures.
- 1997-2000            **Senior Product Manager**  
*The North Face (San Leandro, California)*  
Managed the company's A5 Division; designed and produced technical outdoor gear (tents, packs, climbing gear).
- 1986-1997            **Designer, Manufacturer, Manager (Owner)**  
*A5 Adventures, Inc. (Flagstaff, Arizona)*  
Entrepreneured and managed successful brand with ten employees, designed and manufactured world-renown rock climbing equipment.

## Outdoor-related Accomplishments

- Former professional rock climber with first successful ascent of Great Trango Tower in Pakistan, and other numerous first ascents of big wall rock faces in Yosemite and Zion National Parks.
- Published author of How to Rock Climb—Bigwalls (over 25,000 books in print).
- Designed and developed the world's most weatherproof hanging cliff tent (the 'portaledge'), featured in hundreds of publications including the Italian design magazine Abitare.
- Professional Grand Teton rock climbing guide and Grand Canyon river guide.

## References available



## Montrose Bay High School

865 Brooker Avenue  
Glenorchy, TAS 7010 Australia  
Phone: (03) 6208 2666 Fax: (03) 6273 2651



25 March 2015

To Whom It May Concern:

John Middendorf has worked at Montrose Bay High since the beginning of 2013. He is an excellent Mathematics, Science, and Robotics teacher and is a tremendous team member. John is thoughtful and reflective and has a quiet sense of assuredness about him that creates a calm atmosphere in our classrooms. Our students can be quite challenging and John has worked hard to build a great rapport and provide a differentiated program for them.

John has made significant contributions to Montrose Bay and its' students in numerous ways. He initiated Montrose Bay's entry into Tasmania's Science and Engineering Challenge, an annual event where 24 schools (32 students per school) compete against each other in a variety of challenges that involve design, engineering, math and science. Building an aspirational culture amongst our students has been a passion and talent of John's and he has encouraged many of our students to be inspired to challenge themselves. Being able to enter a team in this challenge was a great step forward for us and John inspired the students to lift their performances over the last 2 years.

John has also introduced Montrose Bay's first TQA (Tasmanian Qualification Authority) college level courses for the advanced students in Mathematics. He networked with other high schools, discussed the program with various college teachers and gathered detailed research to allow the new plan to thrive. In 2015, the program proved successful when 32 of Montrose Bay High Schools students entered college with TCE (Tasmania Certificate of Education) points, as well as the college credit and confidence to take their pre-tertiary mathematics in Year 11. This continues to build our aspirational culture and students are raising their own expectations as they see others attain these results.

John demonstrates an ongoing passion for teaching and a honest commitment to his students by encouraging them to be self motivated and providing skills to inspire them to be life-long learners. Our students have responded well to John's efforts and they have identified that they have been inspired to achieve their best.

I would highly recommend John Middendorf for a teaching position and feel very confident feel that he would be a tremendous assets to any school, the students and the community.

Sincerely,

Mandy Reynolds-Smith  
**PRINCIPAL**