

Shauna is a dedicated and passionate educator with over 12 years' full time teaching experience. She has developed and delivered many inquiry-based STEM education programs, and loves to share her enthusiasm for science, mathematics, and computer programming. She has presented on technology enhancing STEM education at conferences. She holds degrees in Education and Science from Monash University.

Demonstrated Communication Skills

As a Science Communicator at Street Science, Shauna presents science content in an engaging and understandable way to audience sizes from 20 people up to 1500 people. She writes and performs 'seriously fun' shows for children and adults of all ages.

As Head of STEM at Blackheath & Thornburgh College (BTC) responsible for 43 subjects, Shauna maintained extensive lines of communication with the principal, board, other heads of department, senior and junior teachers, parents, and community members.

Also:

- Delivered National Science Week assembly 'Science Show' bringing laboratory science to Nganmarriyanga, a **remote indigenous community**, for students and their families (2016).
- Coordinated the configuration and implementation of the **Learning Management System**, Schoolbox, communicating efficiently with developers at Schoolbox, ADITS and PCSchool, project managers at Schoolbox and executive school leaders at BTC.
- Led the **BTC Astronomical Society** and ran five evening events at the BTC Observatory, educating and inspiring science in the Charters Towers **community** (2017 - current).
- Worked in collaboration with Brilliant Labs and Breton Education Centre, Nova Scotia, Canada to run a **Robotics and Astronomy program** (2017 - current).
- **Presented at the annual Mathematical Association of Victoria conference, Science Teachers Association of Victoria conference:** "Who wants to be a Minties-aire?", "Analytical Chemistry for Year 9", and "iPad Apps Engaging Science".
- Provided engaging Science, Mathematics, Drama and IT sessions to large and small groups of people from **pre-school kids to adults** at all schools.
- As secretary of the Frankston Nature Conservation Reserve Guardians, liaised with members of the State Government including the relevant Minister; members of the local community; members of Melbourne Water; and members of Local Government (2006-2016).

Demonstrated Teamwork Skills

Shauna has worked in teams in a variety of types of school, including state, independent grammar, Catholic, rural, and remote indigenous. She is experienced in collaborating with a **diverse range of people from many different backgrounds and cultures**, within school communities and beyond.

Also:

- Coordinator of Science – **produced curriculum, activities and resources for all class teachers** in a remote indigenous community school. Ordered and managed all equipment and reagents to be used in experiments (2016).
- Worked with many teams at BTC, e.g. heads of department team and executive team. Also formed and led many teams as part of the STEM department, e.g. the broad departmental team, and specific subject area teams, such as IT.
- Led curriculum development teams for subjects ranging from Year 12 Specialist Maths, to Year 7 Drama, to Year 1 Science, to Year 10 Astrophysics.

- Managed and supported teams implementing National Science Week activities and extracurricular science workshops at five schools.
- Worked in teams with many diverse personalities in syndicates for implementing ubiquitous technology, developing a school environment charter, implementing formative practice, and teaching problem solving skills explicitly.

Demonstrated IT Skills

Shauna has integrated technology into her practice since she commenced teaching. She is highly competent in the use of technology in class and for administration and collaboration. She has been responsible for software evaluation and selection at several schools.

She is currently working on simplifying and automating IT procedures for Street Science using G-Suite and Google Apps Script.

Also:

- **Led software evaluation governance and selection process for STEM at BTC.**
- **Evaluated** software, including HeuCampus, Schoolbox, and Adobe iPad apps, as part of pilot groups at The Peninsula School, St Kevin's College, and Caulfield Grammar School.
- Was a member of improvement committees at BTC and The Peninsula School, **implementing LMS and other technology effectively.**
- **Curated** educational multimedia with platforms like **Learning Point, Stile, Schoolbox, and Schoology.**
- **Created educational database/spreadsheet systems**, including: GradeWhiz, B@BTC and NganBeMan – results databases, behaviour tracking systems and school sports scoring system.
- Set up and manage the Google Drive and associated resources at BTC.
- Created **movies and podcasting for teaching and learning**, with Windows Movie Maker, iMovie, and Lego Movie Maker.
- Created Excel macro-enabled educational 'computer games'.
- Developed educational resources with many tools like Excel, OneNote, Google Forms (and others).
- Built the website for Frankston Nature Conservation Reserve: www.fncr.org.au/fncr.

Demonstrated Organisational Skills

Head of STEM – teacher in charge of curriculum and assessment for all Mathematics, Science, IT, Health, Design, PE, Home Economics, and Manual Arts subjects for years 7-12 (2017–current).

Also:

- Coordinator of National Science Week – organised and implemented activities for students from prep to year 12 (2008–2013 and 2015–2018).
- Established a junior school science program to introduce science and scientific literacy to primary aged children, grades prep to 6 (2012–2014).
- **Stage managing:**
 - Props Designer, Props Manager and Makeup Artist at three school productions (2009, 2010, 2015).
 - Stage Manager, Props Manager and Makeup Artist at twelve school productions (2011-2014).
- **Sports coaching:**
 - Organised Colour Run for the Naidoc Sports Carnival (2016).
 - Coach: U15s Girls Tennis (2017–current), 3rds Volleyball team (2012), Junior Girls Netball team (2008), Aerobics Development Squad (2008–2010), Snowboard team (2008–2010).
 - Coordinator of the Peninsula School team at the Human Powered Vehicle Grand Prix in Wonthaggi (2009).

- Teacher in charge of the Environment Group (2010–2012).
- Community Service with year 10-12 students – organised and provided weekly after school tutoring of primary school aged refugees (2011–2014).

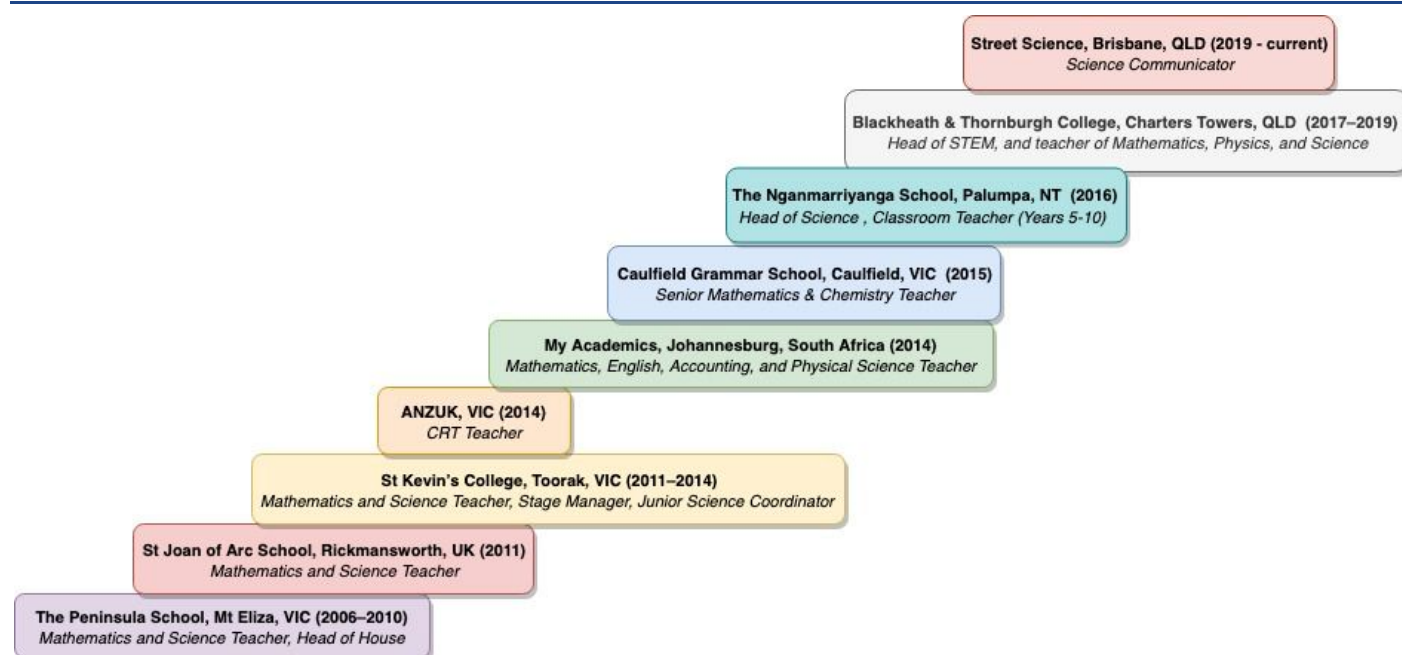
Demonstrated Initiative

In all roles, Shauna has initiated and implemented the use of technology including: the use of an LMS (Schoolbox); a structured platform for collaborating on curriculum and resource documentation (Google Drive); spreadsheets to collect data for analysis to improve educational outcomes; and a new reporting format for end of semester reports for parents.

Also:

- Organised Dog Week to promote responsible pet ownership in a remote indigenous community (2016).
- Organised and ran National Science Week for the Charters Towers Community, [‘Rural Futures’](#), including 15+ events each year (2017 and 2018).
- Founded and coordinated the Robotics and Coding Club for students in years 5 - 12 (2017–current).
- Founded, organised and ran annual primary school Family Science Shows at multiple schools (2010, 2016, 2017, 2018).
- Coordinator of the Year Seven Mathematics Pentathlon – organised and implemented a Mathematics competition involving all students in year 7 (2010 and 2017).
- Implemented Monday night Homework Club supervised study for students needing extra support (2015).

Career Timeline



Levels and subjects taught

Adult education VCE Mathematical Methods, Further Mathematics, Physics

A Levels Core Mathematics, Foundation Mathematics, Physics

11-12 Mathematics C, Specialist Mathematics, Mathematics B, Mathematical Methods, Further Mathematics, General Mathematics, Physics, Chemistry

7-10 Physics, Chemistry, General Science, Mathematics, Drama, Simple Computer Programming, Film Studies, Business Mathematics, Hospitality – Cafe Program

Prep-6 General Science, Culture, Physical Education, Direct Instruction Literacy

Other Circus Skills for year 7-9 students, Pastoral Care for year 7 to 10 students

Education

2007	Bachelor of Science	Monash University, VIC
2007	Bachelor of Education (Secondary)	Monash University, VIC

Volunteer Work

Frankston Nature Conservation Reserve Guardians (2006–2016)

Secretary

Assisted in the establishment of this community group. This group aims to protect and preserve the Frankston Nature Conservation Reserve (a 98 hectare area of open space set in an urban environment), decommissioned by Melbourne Water.

Professional Memberships

- Queensland College of Teachers (QCT) – full registration

Interests

- Technology, the environment, ballroom dancing, reading, and singing
- Animal welfare, hence my membership in IFAW and Animals Australia

John Tattersall

Senior Teacher

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