

TIYEN MILLER

Grand Cayman, Cayman Islands

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PROFESSIONAL SUMMARY

Senior science educator, instructional coach, and curriculum specialist with 20+ years' experience in primary, secondary, and system-level education across the UK and Cayman Islands. Demonstrated experience in improving teaching quality, assessment practices, and learner outcomes through strategic leadership, professional development, and technology integration. Experienced contributor to national curriculum design with a strong STEM focus.

PROFESSIONAL EXPERIENCE

Science and Technology Coach

Aug 2018 - Present

Department of Education Services – Cayman Islands

- Build capacity in schools to improve the teaching and learning of science and technology
- Deliver professional development across a broad staff base, including school leaders
- Coordinate the development of teacher science leaders to support instructional quality in primary schools
- Advise schools on improvement strategies linked to inspection outcomes
- Lead the development of assessment strategies aligned with the National Curriculum
- Manage cross-school data analysis and reporting to inform system-level planning
- Develop learning resources and support systems, including collaborative platforms and assessment tools
- Key contributor to the development of the Cayman Islands National Curriculum for Primary Schools (2019)

Teacher of Science & Senior Leadership Team Member

Aug 2014 - Aug 2018

Clifton Hunter High School – Cayman Islands

- Contributed to school improvement and strategic planning as part of the senior leadership team (2015-2018)
- Improved student progress and examination outcomes across multiple science disciplines
- Taught science from ages 11 to 16 including Physics and Integrated Science at GCSE and CSEC levels
- Led STEM coordination, strengthening cross-curricular teaching and learning
- Developed curriculum resources for newly introduced Physics and Integrated Science CSEC courses

Teacher of Science

Jul 2006 - Aug 2013

Regent High School – London, UK

- Contributed to gains in student achievement that helped elevate the school to a "Good" OFSTED rating (2012)
- Taught all sciences from ages 11 to 18 including A-Level Physics and Psychology and BTEC Applied Science
- Introduced A-Level Physics as a new course with high pass rates
- Mentored new teachers to promote their development, leading to improved staff retention
- Embedded cross-curricular STEM practices, leading to recognition as a Rolls-Royce Science Prize finalist (2012)
- Recipient of the Pearson Teaching Award (2010, 2012)
- Elected teacher governor, contributing to strategic direction (2009 – 2013)

PREVIOUS ROLES

Founding Director - Impala Web Development – London, UK

Feb 2002 - Sep 2005

- Founded an e-commerce consultancy; oversaw client relations, back-end database design, and UI development

Volunteer Educator - HOPE Charity – Cape Town, South Africa

Dec 2003 - Apr 2004

- Delivered HIV/AIDS education programmes and developed an online system for rural clinic support

Web Development Team Leader - Easynet Limited – London, UK

Nov 1999 - Feb 2002

- Led a nine-member team, improving delivery efficiency, team skill development programmes, and profitability

EDUCATION

MSc Education (Integrating Technology in The Classroom)

Dec 2024

Walden University – Minneapolis, USA

- 4.00 GPA (highest possible grade)

CertHE Astronomy

Aug 2012

University College London (UCL) – London, UK

- First-class dissertation on exoplanet detection

PGCE Secondary Science (Physics)

Aug 2006

University College London, Institute of Education (IOE) – London, UK

- Post-Graduate research dissertation about school intranet use identified for use as a high-grade exemplar

BSc Cognitive Science, BA History, minor Economics

Mar 1998

University Of California San Diego (UCSD) – San Diego, USA

- Top 15% of the graduating class by GPA
- Awarded Provost's Honours and the Betty Tate International Scholarship
- Overseas studies at the University of Birmingham, UK, and the University of Natal, Pietermaritzburg, South Africa

ADDITIONAL QUALIFICATIONS AND TRAINING

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| • First Aid Instructor – Cayman Islands Red Cross | 2023 |
| • ILM Level 3 Award – Institute of Leadership & Management | 2022 |
| • Microsoft Certified Educator – Microsoft | 2021 |
| • Instructional Coaching – Corwin | 2018 |
| • Teaching Primary Science – National STEM Learning Centre | 2018 |
| • Geology of the Cayman Islands – Water Authority Cayman and the University of Alberta | 2018 |
| • Diploma in Project Management – Alison | 2016 |
| • Language in Learning Across the Curriculum – London Borough of Camden | 2012 |
| • CERN High School Physics Teacher Programme – CERN | 2010 |
| • Qualified Teacher Status – General Teaching Council for England | 2006 |

PROFESSIONAL MEMBERSHIPS

- **President** – Cayman Islands Astronomical Society
- **National Outreach Coordinator (Cayman Islands)** – International Astronomical Union

INTERESTS AND PERSONAL INFORMATION

- Active promoter of amateur astronomy, leading local public stargazing and global expeditions to view solar eclipses
- Interest in travel, having visited over 200 countries
- Conversational French language skills
- Triple nationality: British citizen, USA citizen, British overseas territories citizen (Cayman Islands)
- Permanent Resident of the Cayman Islands