

Joe Rowing

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Born 25th June 1981

Professional Profile

Overview: Highly experienced and versatile educational leader with a strong foundation in teaching, training, and curriculum development. Proven expertise in physics education, safeguarding, and STEM outreach. Demonstrated ability to drive institutional excellence and foster student engagement. Adept at fostering positive educational environments and promoting innovative practices.

Key Skills

- Leadership in teaching and learning strategy
- Physics education and curriculum design
- STEM outreach and educational consultancy
- Safeguarding and pastoral care, including implementing comprehensive child protection policies, leading mental health awareness initiatives, and developing training programs for staff on safeguarding protocols.
- Training and mentoring Early Career Teachers (ECTs)
- Expertise in diversity, inclusion, and mental health initiatives

Previous Experience

July 2015 – present

Deputy Headteacher

Exeter Mathematics School

- Ofsted 2023 - "Leaders create and inspire a culture of acceptance and inclusion." - "The holistic package of support created in response [to social and emotional challenges of students] is transformational for their futures." - "A culture of learning, development and improvement is evident throughout the whole provision."
- Pass Rate: 100%, Retention: 100%, Average Grade: A (48.9), Average of Best 3 Grades: A (49.4), Proportion of High Grades (A*, A or B): 85%, Proportion of A* or A grades: 71%, Progress (value added) Score: 0.46
- Ofsted Outstanding in Main school and Boarding, Top 20 school Nationally for results and value-added since opening.
- Responsibilities currently include: Teaching and Learning, Early Career Teachers, Behaviour, Computer Science Hub lead, Physics Teacher, Physics Outreach.
- Previously: Designated Safeguarding Lead, SENCo, Attendance Lead, Pastoral/Welfare Lead, Boarding Lead, Behaviour Lead, EMC Lead, Teacher training.

September 2014 – July 2016

Lead Teacher for Physics

Exeter Mathematics School

- Establishing and leading the Physics department in a newly founded, high-performing selective sixth form college, shaping its academic vision, curriculum, and operational excellence from inception.

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| July 2017 – July 2022 | School based Physics Coach Institute of Physics <ul style="list-style-type: none"> • Designing and delivering targeted, in-depth, and personalized support programs to enhance subject expertise, pedagogical effectiveness, confidence, and passion for teaching Physics within the partner schools. • Delivering high-impact CPD sessions at a national level on key educational topics, including innovative strategies for integrating careers guidance into the curriculum |
| May 2013 – June 2015 | Author and consultant Hodder & Stoughton Ltd. <ul style="list-style-type: none"> • Developing comprehensive schemes of work and producing high-quality teaching resources aligned with the Hodder A-level Physics textbooks, tailored to support teaching and learning across multiple exam boards. |
| April 2012 – April 2014 | Associate Teacher Devon Business Education Partnership <ul style="list-style-type: none"> • On part time secondment from CFGS. Designing and managing the delivery of STEM outreach projects and enterprise days in partnership with industries. |
| September 2010 – August 2014 | Teacher of Physics Churston Ferrers Grammar School <ul style="list-style-type: none"> • Teaching Physics and General Science to students aged 11–18, leading the GCSE Astronomy provision, assisting with the management of the department, training technicians and staff, and designing and implementing strategic initiatives that successfully doubled A-level Physics enrolment while increasing female participation from below 15% to over 40%. |
| September 2010 – Present | Educational Consultancy Various projects including: <ul style="list-style-type: none"> • <i>Boardworks</i> – Curriculum breakdown & teaching materials Author • <i>Soundbite learning</i> Podcast Author – Determining curriculum breakdown & Writing scripts for GCSE physics podcasts and general learning/science blog posts • <i>NASA & European Space Agency</i> – Various projects including designing and developing the 'NEEMO 16: Science Under Pressure' outreach program delivered by astronaut Tim Peake, translating the challenges and scientific objectives of NASA's NEEMO underwater missions into an engaging and educational experience for diverse audiences. Created interactive resources and hands-on activities to demonstrate the parallels between space and underwater exploration, emphasizing problem-solving, teamwork, and innovation in extreme environments. The program was crafted to inspire interest in STEM fields and foster curiosity about the scientific and technological aspects of space exploration. |
| September 2009 – August 2010 | Head of Activities and Teacher of Physics Brighton College <ul style="list-style-type: none"> • Overseeing all extracurricular activities, including clubs, societies, and academic clinics, while also establishing and managing a comprehensive life skills program. • Teaching Physics, ICT (& ECDL) and Chemistry to ages 11-19. |
| April 2008 – September 2009 | Teacher of Physics Colchester Royal Grammar school <ul style="list-style-type: none"> • Teaching physics and general science to years 11-18. Lead the astronomy GCSE provision. |
| December 2007– April 2008 | Travel New Zealand <ul style="list-style-type: none"> • Fulfilled a lifetime ambition to travel through New Zealand. |
| April 2003 – December 2007 | Teacher of Physics Midhurst Grammar school (now Midhurst Rother College) <ul style="list-style-type: none"> • Taught physics and general science to ages 11-19, outreach work to primary schools. Gifted and Talented co-ordination Lead Physics teacher. |

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| April 2000 – December 2003 | Engineer TRAC Products <ul style="list-style-type: none"> Special engineering projects, mainly in the automotive sector and manufacturing parts for the vintage and kit car industry. |
| April 1999 – December 2002 | Research Assistant Optoelectronics Research Centre <ul style="list-style-type: none"> Optoelectronics research and outreach work as part of the Lightwave roadshow |

Qualifications

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| 2020 – Present | Chartered Physicist Institute of Physics |
| 2016 – 2017 | National Professional Qualification for Senior Leadership (NPQSL) National College of School Leadership |
| 2003 – 2004 | PGCE Education, Physics with General Science University of Durham |
| 1999 – 2002 | Physics with Photonics BSc Second class University of Southampton |
| 1997 – 1999 | A-level Physics, Mathematics, Technology Colchester 6th form college |
| 1995 – 1997 | GCSEs 11 A*-C, Including English and Mathematics Colchester Royal Grammar School |

Training Highlights

- Safer Recruitment training | Child protection Level 3 | Safeguarding lead training | LGBTQ+ training | Mental Health first aid | Workshop to raise awareness of Prevent, "Train the Trainer" | Babcock Autism Training (Tiers 1, 2, & 3) | Food safety & Hygiene for catering (Level 2)

Additional Information

Driving licence Full UK Licence, no endorsements.

Interests Cycling, climbing, hiking.

Current Volunteering *Trail Volunteer – Haldon Forest Gateway*
Duke Of Edinburgh Gold and Silver Assessor

Referees

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| Kerry Burnham Headteacher | c/o Exeter Mathematics School, Castle st. Exeter EX4 3PU Tel. 01392 429 020 |
| Tim Paulden Chair of Governors | c/o Exeter Mathematics School, Castle st. Exeter EX4 3PU Tel. 01392 429 020 |
| Robert Owers Previous Headteacher | c/o Churston Ferrers Grammar School, Greenway Road, Brixham, TQ5 0LN Tel. 01803 842289 |