

Matthew Allred

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Key Skills

JavaScript: Fullstack development of sites with node based serverless function as a backend API with frontend react sites, frequently with Material UI component library, using themes and customising components with CSS. Interacted with and created databases with GraphQL and Fauna's query language. See [site link](#) for examples on my profile page.

React: Developed several sites using Next.js (a React framework). Experienced with writing React hooks to manage state, use of props to share data across different parts of the site and synchronising this data with databases.

Git: Used common Git commands primarily with GitHub and a GitKraken (a Git GUI) to manage a project, allow safe development of the site/app, to allow CI/CD with Vercel hosting.

Technology: Passionate about the use of technology to improve people's work and life, confident with using a range of technologies. Proficient in using Linux systems, scripting and the command line and accessing documentation when required. Sound base knowledge of how various computer and networking systems work.

Communication: Excellent at building highly effective working relationships with colleagues. Used effective questioning techniques to help build a successful learning environment for students, so as to better understand their thinking processes in solving problems and support them to improve.

Mentoring: Acted as mentor and line manager to colleagues at various stages in their careers, helping them to identify and set career goals and develop an action plan to achieve their desired outcomes. Observing lessons and providing constructive feedback to peers and people I manage.

Personal Profile

A Mathematical Physics graduate with a natural flair for problem solving, utilised to date in both a teaching role and in hobby activities over many years. Systematic in approach, robustly analysing and evaluating potential solutions, with the ability to identify issues before they have an impact. A thirst for knowledge and an eagerness for continued professional development, both in an academic sense relating to maths and physics, as well as keeping abreast of technological advances. A friendly and approachable team member, experienced in working with diverse teams and promoting inclusive values.

Selected Achievements

- Studied programming languages and frameworks in my own time to help facilitate career transition.
- Developed several sites from start to finish to practise these skills. Developed a database setup, learning how this feeds into a backend API and how the frontend client interacts with this data.
- Studied new courses to add to subjects taught to students, which now includes Maths, Further Maths, Physics, Science and Computer Science, showing a strong aptitude for acquiring new knowledge.
- Entrusted to teach difficult students and unsettled classes for GCSE Maths, successfully achieving rapid progression from these students, who are often from challenging home backgrounds.
- Chosen to mentor struggling trainee teachers, supporting them to make the necessary progress in order to successfully pass their teacher training and provide quality education to students.
- Rapid career progression in a large secondary school, resulting in promotions to Coordinator for Key Stage 3 and later 6th Form Maths and Physics, before achieving promotion to Deputy Head of Maths.

- Managed changes to curriculum and required training of new staff. Developed new strategies for tracking and feedback which resulted in the attainment of the highest A* to C percentage in A-Level Maths in the school's history.
- Successfully implemented changes and maintained excellence in my department, contributing directly to "outstanding" OfSTED rating for the school overall.
- Responsible for line managing members of the Maths department, helping them to set clear targets and career progression ideas. Providing advice and feedback on teaching, to help staff I manage improve and deliver excellent teaching.

Career History

2010 – 2020 and 2022 To Present

Simon Balle School

Deputy Head of Maths and KS5 Coordinator (September 2014 – July 2020)

Responsible for managing the changes to the specification at A-Level.
 Line management responsibilities with multiple members of the department.
 Setting targets and managing performance appraisal of staff.
 Supervising and encouraging the continuing professional development (CPD) of staff members.
 Resolving challenging situations with staff and pupils as necessary.

Key Stage 3 (KS3) Maths Coordinator (2012 – 2014)

Managing the curriculum and assessments.
 Coordinating key members of staff and keeping leadership teams updated on progress.

Teacher (To Present)

Outstanding teacher as graded by OfSTED in multiple inspections of school.
 Working as a professional, with honesty and integrity.
 Working to deadlines and accountable for targets.
 Managing workload and prioritising tasks.
 Contributing to the school community.
 Attending meetings to discuss the progress of students.
 Teaching new topics and subjects at various levels.

Sept 2020 - July 2022

Career Break - parenting young children

Pre 2010

Finance and Payroll Clerk at SYFRS and Liberata

Improving office systems through digitisation.
 Writing Excel macros to improve and automate weekly tasks.
 Working as a team, meeting weekly deadlines.
 Answering and explaining pay and tax queries from a wide range of staff.

Qualifications

University of Nottingham: Post Graduate Certificate in Education (2010)
 University of Nottingham: B.Sc. Mathematical Physics (2005)
 GCE A-Levels: Maths, Physics, Economics and Chemistry (2002)