

Liam Whitfield

Mathematics & Physics Teacher

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EDUCATION

M.S.. Mathematics Education

Regional Institute of Education, Savannah,
2015 – 2017

B.S. Physics · M.Ed.

Austin University, 2011 – 2015

SKILLS

Professional

- Calculus & mechanics instruction
- Differentiated lesson design
- Olympiad coaching
- Lab-based teaching
- Assessment design

Tools

- GeoGebra
- Desmos
- Google Classroom
- Moodle

PROFILE

High-school mathematics and physics teacher focused on making abstract ideas feel inevitable. Eight years, grades 9–12, with a standing after-school problem lab and board results that outrun the school average every year.

EXPERIENCE

Senior Mathematics Teacher, Grades 9–12

National Academy Senior School, 06/2021 – Present

- Lifted Grade 12 math averages from 71% to 84% in three years via weekly problem labs and error journals
- Run the after-school olympiad group — 14 state-round qualifiers and 3 national-round entries
- Organise the annual STEM fair: 300 students, 80 projects, judged by local engineering faculty

Physics Teacher, Grades 9–10

Cascade International School, 06/2017 – 05/2021

- Built a low-cost demonstration kit for every mechanics topic — adopted by two partner schools
- After-school tutoring lifted repeat-exam pass rate from 60% to 88%

ACHIEVEMENTS

Best STEM Educator, City Schools Forum (2024) — chosen from 120 nominated teachers

Published: “Error Journals in Senior Mathematics” — Journal of School Science, 2023