

Kevin T. White

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Robotics / Arduino	CAD - Onshape	Manufacturing - 3D Printing / CNC / Laser
HTML / JS / Python / C++	CoSpaces VR/AR	Learning Design Tech

Professional Summary:

Masterful educator specializing in STEAM, design thinking and 3D tools for learning.

Credentials

Fall 2020 - **SDCOE Career Technical Education Credentials - Clear Status**

- Engineering & Architecture; Information & Communication Tech; Arts, Media & Entertainment

Spring 2007 - **SDSU Credential Program - Clear Status**

- Social Science Single Subject

Experience

Fall 2021 - Present: **De Portola Middle - Gateway to Tech**

- Teaching grades 6-8 STEM skills: design thinking, electronics, automation robotics, coding and 3D development with CNC/CAM, laser & 3D printing integration across Level 1 and 2 courses
- Expanding STEM program offerings - Full STEAM Ahead Club, [iRock Guitar](#)

Spring 2020 - Present: **SDSU - Learning Design & Technology Faculty Lecturer**

- Teaching LDT 525 - Virtual Reality, Imaginary Worlds and the Future of Learning. Synchronous Online 3 Unit Course for LDT Masters in Education & Certificate Programs

Fall 2011 - Spring 2021: **TLC Academy - Social Studies / STEM / Computer Science Teacher**

- Teaching 7-9 courses 3 days a week, plus weekly office hours for personalized learning
- Tech integrated instruction in 1:1 classroom for middle & high school (Face to Face and Online)
- Implementation coach, digital tools trainer for all staff and school board technology consultant

Middle School STEM / SS	High School STEM/ SS	Other Courses
Project Lead the Way (PLTW) Gateway to Technology	Project Lead the Way (PLTW) Intro Engineering Design	Computer Apps and Coding Computer Science Principles Cyber Security
Ancient Civ. (Gr. 6) US & World Hist. (Gr. 7)	Geography Tech US & World History	Music Theory for Guitar Yearbook

Fall 2006 - 2011: **Grossmont Unified (GUHSD) - Social Science Teacher**

- Grew from initial role as student teacher, became substitute for Social Sciences in GUHSD
- 2010 West Hills High School: Geography (Temporary Contract)

Summers 2007-2010: **Converse International School of Languages (CISL) - ESL Instructor**

- Summer teacher for international ESL young international adult students visiting from primarily European and Asian countries.

Led Workshops, Training and Presentations

- Fall 2024 - INCOSE Grant Awards Showcase - Partscaster "Systems Design"
- Summer 2024 - Onshape Spotlight Ambassador - [Partscaster Electric Guitar Design Challenge](#)
- Summer 2024 - SDCOE Learning & Innovation Summit - [The Nuts and Bolts of Metaverse EDU](#)
- Fall 2020, Spring 2022, Fall 2024 - INCOSE STEM Grant Showcase: CoSpaces AR, CNC Router, Electric Guitar Design
- Fall 2023 - [Onshape in the Classroom](#) ambassador webinar
- Spring 2021 - Virtual Spring CUE EdTech Conference: *VR Escape Rooms with CoSpaces*
- Summer 2020 - Zhejiang University, China (Online): International Guest Speaker on K-12 Distance Learning
- Fall 2019 - San Diego Computer Using Educators (CUE) Tech Fair: CoSpaces VR Museum
- 2017 - 2019 - TLC Academy Training (all schools):
 - Google Classroom Orientation; Visualizing Data with Google Sheets; Supercharged Tech Integration - SAMR Model
- 2017 - 2019 SDSU Learning Design & Technology Symposiums - Annual Presenter
 - 3D CAD Development Tools - OnShape, Autodesk Inventor & Revit | Creating 3D Visuals with OneRender | Intro to K-12 Virtual Reality Development with CoSpaces | CoSpaces Virtual Museum Project

Education & Certifications

- 2020 - SDCOE Career Technical Education Core - Clear CTE Credential
- 2015 - 2017 San Diego State University - M.A. Learning Design Technology
- 2010 - 2012 High Tech High (BTSA Induction) - Clear Social Science Credential
- 2004-07 San Diego State University - B.A. Social Science + Single Subject Teaching Credential

Recent Professional Development (See Transcripts for Professional Development Credits)

- 2025 - VEX EXP Robotics Online Training Certification
- 2023 Gen Cyber: SacState (Online)
- 2018 - 2022 National Endowment for the Humanities: Space Age and the Space Coast (NASA) | Transcontinental Railroad | Mapping Colonial Era
- 2018 & 2019 Midway Institute for Teachers
- 2018 Code.org Computer Science Principles
- 2018 Onshape: Cloud CAD Mechanical Engineering
- 2013 -14 PLTW Training: Green Energy & Environment, Intro Engineering Design

Recent Awards & Grants

- 2026 San Diego County Teacher of the Year
- 2024-25 SDUSD Teacher of the Year
- 2023-24 Education Grant Barona Band of Mission Indians - \$5,000 for new Bambu 3D printers
- 2023 and 2024 Taylor Guitars - Guitars in Schools Initiative funded wood resources and electronics for Partscaster Electric Guitar Design Challenge (resource renewal pending 24-25 school year)
- 2022-23 Toshiba America Foundation Education Grant \$10,000 - Class set of electric Guitar Kits
- 2022-23 INCOSE Grant Award \$1,200 - Electric Guitar Parts
- 2021 Meta Quest: Create with VR Grant - 20 HMDs (with contingent training)
- 2021 PLTW Program Improvement \$10,000 - Class Set of Vex EXP Robotics

Publications & Media

- 2024 - Barona Education Grant
- 2023 - STEM Everyday Podcast - [Great STEM Ideas](#)
- 2022-24 Onshape Ambassador - [Blog Feature](#) | [How to Best Leverage Onshape in the Classroom](#)
- 2017-2023 - Teacher Tech Rescue Blog - [TeacherTechRescue.net](#)
- July 2017 - Journal of Ambient Design and Humanized Computing - [Augmented reality in education and training: pedagogical approaches and illustrative case studies](#)
- June 2016 [PLTW Guest Blog](#) - *Finding Energy Solutions for a Growing Population*

Creative and Professional Projects

- Music entertainment, production and audio engineering
 - Compilation Albums:
 - DreadNought Volume 1 released - 2024
 - CutAway Volume 2 scheduled for release - 2025
 - Booking for live performances in San Diego, CA,
 - Live studio performance recording
- USS Midway Museum [The Battle of Midway: Augmented Reality Extreme](#)
- [iMade 3D](#) - Jellybox 3D printer building experience with [Brother Robot](#) 2016 Young Entrepreneur of the Year, Calramon Mabalot
- [BradyInk](#) - Custom 3D fabrication and manufacturing