

Keli Jorgensen

Davis, CA • [linkedin.com/in/krutanjorgensen](https://www.linkedin.com/in/krutanjorgensen) • <https://krutanjorgensen.wordpress.com/>

Summary

Curriculum strategist, bilingual science communicator, and environmental educator with deep experience designing NGSS-aligned, phenomenon-based learning experiences. Skilled at translating complex scientific concepts into accessible, equitable, and actionable curriculum. Passionate about integrating climate resilience, environmental justice, and interdisciplinary problem-solving into K–12 science education. Brings a rare blend of soil science expertise, cross-sector program leadership, and creative writing to every project.

Core Competencies

- Climate & Environmental Curriculum Design
- NGSS 3D Assessment Development
- Project-Based Learning (PBL) & Instructional Strategy
- Bilingual (Spanish/English) Communication
- Equity-Centered Pedagogy & Cultural Responsiveness
- Collaborative Leadership & Coaching
- Educational Publishing & Science Communication
- Grant Reporting & Program Evaluation
- Python for Data Science & Visualization
- WordPress & Digital Curriculum Tools

Selected Projects & Curriculum Work

Dynamic Ecosystems & Biodiversity (Gr. 7) – Designed NGSS-aligned unit exploring ecosystem stability, integrating climate case studies and equity-driven design rubrics.

Water Systems & Gravity (Gr. 8) – Developed scenario-based assessments connecting hydrologic cycles to regional watershed challenges.

Thermal Energy & Climate Adaptation (Gr. 6) – Created multi-modal learning sequence blending physical science, data interpretation, and community solutions.

Sustainable Farming Practices Manual (Costa Rica) – Designed field-based curriculum for rural learners focused on agroecology and renewable energy.

Relevant Professional Experience

Senior Program Coordinator | ExpandNet, Davis, CA | 2021–2024

- Led curriculum development and evaluation systems for scaling science-based initiatives.
- Designed digital learning tools and managed WordPress site and database systems.
- Coordinated international teams to align technical content, progress tracking, and storytelling.

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Curriculum Developer (Freelance) | Clients include Pearson, Savvas, Straive, HMH, McGraw-Hill | 2006–Present

- Developed NGSS-aligned science curriculum for K-12, including lab manuals, assessments, and teacher support materials.
- Designed phenomenon-based units focused on Earth systems, energy transfer, and environmental impacts.
- Led writing teams and coached contributors on 3D learning design and PBL strategies..

Evaluations Project Manager | ACEM, San Jose, Costa Rica | 2009–2013

- Created bilingual, PBL-style curriculum on cropping systems and renewable energy.
- Facilitated strategic planning and program evaluation for regional land-based learning programs.

Farm Certification Specialist | CCOF, Santa Cruz, CA | 2019–2021

- Reviewed organic compliance and supported Spanish-speaking clients with regulatory navigation.
- Engaged in public outreach around sustainable farming..

Adjunct Professor | Columbus State Community College, Columbus, OH | 2000–2008

- Taught Earth Systems, Geology, Chemistry, and Biology.
- Integrated early problem-based learning into courses and coordinated field experiences.

Education

- **Master of Science, Soil Science** – The Ohio State University, School of Natural Resources (1999)
- **Bachelor of Science, International Agricultural Development** – UC Davis (1994)

Certifications & Ongoing Learning

- IBM Data Science & AI Certificate (2024)
- IOIA Organic Crop Inspection Training (2020)
- California Farm Academy – Center for Land-Based Learning (2016)

Tools & Platforms

- Google Workspace • WordPress • Python (pandas, matplotlib)
- Microsoft Office • Monday • Mail Merge & CRM
- Adobe InDesign • Canva • LMS & CMS familiarity

Additional Context

- Proud parent of recent graduate from a PBL-based high school
- Comfortable working remotely, across time zones, and in field-based contexts