

George B. Skraba Reising

Curriculum Developer/STEAM Educator

Dynamic, flexible, and collaborative curriculum developer and educator talented in engaging students by incorporating project and standards-based instruction into daily classroom activities.

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Seward, Alaska

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WORK EXPERIENCE

T3 Alaska – Curriculum Director

Alaska Center for Energy and Power / UAF Upward Bound

05/2022 - current

- Developed curriculum approval and creation process
- Built organizational visions with key stakeholders and community partners
- Created courses (Intro to Energy, Design Thinking, Drones, etc.) with digital parallel and flexibility in pace/place
- Lead teacher workshops on play, project, and problem-based learning, and trained staff on curriculum development
- Prepared budgets, planned events, and established calendars

Mathematics Curriculum Committee

Kenai Peninsula Borough School District (KPBSD)

08/2016- 05/2022

- Collaborated with colleagues to review, evaluate, and select curriculum for the district
- Designed performance assessments
- Prioritized competencies and content standards
- Built course templates using Understanding by Design methodology

Math & Science (STEAM) Teacher

KPBSD Distance Learning Department and Seward Secondary (Middle & High Schools)

08/2014 – 5/2022

- Established and developed relationships between students and researchers to collect and analyze data – SeeBird (UAF), Marine Debris (NOAA)
- Worked with colleagues from across the school district on implementing Personal Outcome Projects (POPs) as part of assessment
- Collaborated with administrators and teachers on project-based learning, discipline, scheduling, blended learning, and technology integration
- Developed and co-taught *Problem Solving and Design with Technology* course
- Designed UbDs and served on district's Math Curriculum committee
- Applied for and received grants from NPS, Safeway, Seward Bear Creek Flood Service, Seward Community Foundation
- Provided aerial imagery and mapping tools to Seward Flood Board as part of classroom learning

SKILLS

Collaboration | Project-based Learning | Performance-based Assessment | Curriculum Development | Course Creation | Guided Inquiry | Design Thinking | Hands-On Exploration | Station Rotation | Technology Integration | Flipped Classroom | Leadership | UbD | Event Planning | Coaching

EDUCATION

Master of Arts in Teaching

University of Alaska Southeast, Juneau

Secondary Education Certification

University of Alaska Southeast, Juneau

Bachelor of Science in Business Admin., Finance Major

University of Pittsburgh

CERTIFICATES/LICENCES

State of Alaska

6 - 12 Secondary Mathematics Education

State of Alaska

6 - 12 Secondary Business Education

U.S. Coastguard Merchant Mariner

100-ton Inland Master

WORK EXPERIENCE

- Rebuilt the school greenhouse and provided fresh produce to students and the cafeteria
- Empowered students to run the greenhouse
- Nurtured students to develop and implement relevant service and/or research projects (POPs)
- Taught project management and conferenced with students about semester or year-long projects
- Implemented standards-based grading and assessment for Mathematics courses.
- Coached National Ocean Science Bowl (NOSB)

Subjects Instructed:

- Mathematics: Pre-Algebra, Algebra, Advanced Algebra, Geometry, Personal Finance, Business Math, Statistics, Algebraic Modeling, Pre-Calculus
- Science: Environmental Science, Marine Biology, Integrated Science
- Other: Problem Solving and Design with Technology, Financial Literacy, MS STEM

Upward Bound (UB) – Coordinator/Instructor

University Alaska Fairbanks – Seward High School

08/2014 – 7/2020

- Lead instructor for 2020 summer program
- Facilitated low-income, first-generation college bound students to attend post-secondary education
- Implemented Modern Blanket Toss and Teaching Through Technology (T3) programs from the National Science Foundation
- Trained other teachers on T3 curriculum
- Developed student-leaders to share STEM methods, knowledge, and technology with other instructors and students
- Mentored other coordinators and instructors

OTHER WORK EXPERIENCE

Kachemak Bay Wilderness Lodge (Homer, AK)

Reservationist, Naturalist Guide, Winter Caretaker
05/2008 – 11/2013

- Managed reservations and customer interface
- Guided clients tide-pooling, fishing, hiking and kayaking trips
- Emphasized ethno-botany and cultural and natural history
- Created systems and processes to improve organization and safety

WeatherWise USA, LLC. (Pittsburgh, PA)

Contractor, Senior Financial Engineer
07/1999 – 02/2007

- Developed mathematical models, research and special projects
- Managed over $6,000,000 in weather related financial risk
- Conducted independent research projects and implemented results

Awards

- Eagle Scout & BSA Heroism Award
- $5,000 Safeway Technology Integration Grant
- Student team placed 2nd in Caring for the Kenai
- Brother of the Year - Pittsburgh Chapter – Delta Sigma Pi Professional Business Fraternity
- Awarded "Top 10% Employee" EMMC

VOLUNTEER EXPERIENCE

Volunteer

Seward Athletics

09/2014 – 5/2022 *Seward, Alaska*

- Organized records, times, and results for race events using Excel spreadsheets and paper tickets
- Worked with other volunteers to setup, run, and clean-up events

Co-Chair

Kachemak Bay Water Trail

01/2011 – 06/2014 *Homer, Alaska*
Non-profit promoting recreation, wellness, education

- Built plans and agreements between volunteers, non-profits, businesses, and state and federal agencies
- Maintained spreadsheets and databases
- Coordinated volunteer efforts
- Developed outreach material including website, brochures, and events
- Successfully launched the Water Trail

CONFERENCES & COURSES

T3 Train the Trainers (11/2019, 10/2020)
Upward Bound/UAF/University of Hawaii Hilo

- Onboarding new instructors to T3 (STEM)

Competency-Based Learning: (01/2021)
UAA/KPSSD

- Developing a performance-based approach to education and instruction

Bold School – Blending Classrooms (11/2018)
KPBSD/Trevan Walker

- Technology integration with intention and purpose

Teaching Through Technology (T3) Onboarding (10/2018)
Upward Bound/UAF/University of Hawaii Hilo

- 3D Printing with AutoCAD design
- Raspberry Pi programming with NodeRed
- Service and project-based learning
- Cultural integration and relevancy