

ERIN LUKAS

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B.S. Middle Grades Education
Science and Math
Ashland University

M.S. Special Education
Intervention Specialist
Wright State University

Middle Childhood License (4-9)
Intervention Specialist License (K-12)

Dayton Regional STEM School
7th and 8th grade teacher
Dayton, Ohio | 2014-2022

inquirED
Curriculum Writer
Chicago, Illinois | 2018

Aullwood Audubon Center and Farm
Earth Adventures teacher
Dayton, Ohio | 2006-2015

Hillel Academy of Dayton
5th and 6th grade teacher
Dayton, Ohio | 2013-2014

Morton Middle School
5th and 6th grade teacher
Vandalia, Ohio | 2008-2013

COACHING & PRESENTATIONS

Critique

Deeper Learning Conf. at High Tech High | 2017
Dayton Reg. STEM School Training Center | 2015

Curriculum Development

NSTA Conference | 2019
Dayton Reg. STEM School Training Center | 2016
CINSAM STEM Connections Conference | 2015

Project Management

Dayton Reg. STEM School Training Center | 2015-2021
Innovative Teaching Summit | 2016

TEACHING & CURRICULUM DEVELOPMENT

Inquiry-based learning experiences aligned to state & national standards in science, math, social studies, reading, and writing
Grades 5-8 | 14 years

Universally-designed lessons and assessments for IEP students in math & science inclusion settings
Grades 5-8 | 14 years

Enrichment courses in nature, engineering, and photography
Grades PreK-12 | 16 years

Argumentative writing and digital portfolio curation
Grades 5-12 | 13 years

Storytelling, writing, and presentation skills for the TEDx stage
Grades 8-12+ | 6 years

EDUCATIONAL WRITING

Standards-based (NGSS) chemistry pilot lessons for inquirED, a nationally-distributed inquiry-based curriculum

Interdisciplinary courses of study and curricular materials with emphases on critique and communication

Martha Holden Jennings Grant for 8th grade physics project
McDonald's MAC Grant for elementary robotics program

SYSTEM BUILDING

Interdisciplinary project management tools

Data-management tools that track student progress and relevant metadata • Student and teacher approvals • Standards-based requirements across departments • Checkpoint calendars • Process flowcharts

Writing, feedback, and approval process for digital portfolios
Argumentative writing templates • Technical and content-area requirements • Feedback tools and infrastructure

Modified OTES (Ohio Teacher Evaluation System) rubric
Aligned to school's unique mission and teaching practices across multiple grade levels and disciplines

Writing, feedback, and process tools for TEDx event
Still in use 6 years later

LEADERSHIP

Founding committee of TEDxYouth

6 years | Event prep calendar • Schedule for auditions and rehearsals • Venue plans • Volunteer coordination • Marketing • Mentor preparation

Innovative Teaching Summit Planning Team

5 years | Volunteer recruitment, training, and preparation • Event scheduling and planning

Robotics program for Dayton Regional STEM School

2 years | Management of coaches • Student recruitment • Parent communication • Practice and competition venue scheduling

Cooperating teacher for pre-service teachers

5 years | Wright State Office of Field Experience