

Summer Institute 2025

Course Name: Integrating History and Literature Into your STEAM Curriculum

Course Number: EDU 5900 Section 44

Course Schedule: July 14 -17 (Asynchronous Online)

Instructor: Vanessa Vidalon

Course Description:

This class is designed for K -12 teachers to engage students in the necessary skills of exploration and understanding. We will dive into our lessons and look for ways to effectively incorporate and adjust our teaching style that we can gain the interest of more students.

Teachers will collaborate with colleagues by creating lessons that tie in History and ELA components to science. They will learn about using next generation science standards in storylines and how to use phenomena in the content we teach. Driving the classroom instruction to be more student centered will help enhance a student learning experience.

Introducing simpler concepts that lead up to more rigorous content within real world issues. Creating fun lessons using VR expeditions and showcasing current events in science. This class will include online resources, daily reading assignments, group discussions and virtual activities and other helpful resources that foster student understanding through core disciplinary ideas.

Grading Course Syllabus:

Introduction: Increasing Vocabulary Through Science (5pts)

- Response Questions (5pts)

Lesson 1 Lewis & Clark Expedition In Space (8pts)

- Response Questions (8pts)

Lesson 2 Story of a Waterdroplet in a Dust Bowl (12pts)

- Response Questions (8pts)
- Discussion Question (4pts)

Lesson 3 The Industrial Revolution & Our Bio -evolution (12pts)

- Response Questions (8pts)
- Discussion Question (4pts)

Lesson 4 Multilingual Learners In our Science Classrooms (8pts)

- Response Questions (8pts)

Lesson 5 Endangered History (8pts)

- Response Questions (8pts)

Lesson 6 StoryMap Narratives of a Species' Life Cycle

- Response Questions (8pts)
- Discussion Question (4pts)

Lesson 7 Virtual Field Trips Exploring History of Earth (8pts)

- Response Questions (8pts)

Lesson 8 New York Fossil Archive Hunt (12pts)

- Response Questions (8pts)
- Discussion Question (4pts)

Final Project (15pts)

- Lesson Plan to Include (15pts)
 - Create Lesson Teacher Protocol and Student assignment. Please Include Modifications and Language Mods if needed. In this lesson to include ELA, Social Studies and/or Science cross curriculum standards.