

Supporting STEELS as a School Leader

STEELS Leadership Act 45 Course

The PA Inspired Leadership Program's **STEELS Leadership Course** is designed to equip school and system leaders with the knowledge and skills necessary to implement the Pennsylvania STEELS standards effectively. This course emphasizes phenomena-based learning, the integration of science, technology, engineering, and environmental education, and effective curriculum design and assessment strategies. Participants will learn to support teachers in enhancing student engagement and conceptual understanding through innovative instructional strategies.

The big ideas that will be explored in this course include:

- Knowing the components of the PA STEELS standards and the 3-Dimensional Framework developed by the National Research Council
- Understanding how phenomena-based learning enhances student engagement and conceptual understanding
- Supporting teachers in integrating science, technology, engineering, and environmental education
- Understanding STEELS curriculum design and assessment strategies that align with the standards and the 3-dimensional framework

The key competencies addressed in this course include:

- Develop and articulate a vision for STEELS education in their schools
- Understand the components of the 3-dimensional framework
- Define and describe phenomena-based learning.
- Identify the benefits of phenomena-based learning for student engagement.
- Apply instructional strategies for phenomena-based learning.
- Identify and understand the application of the components of the 3-dimensional framework in classroom settings
- Identify and describe SEPs/CCCs/DCIs in classroom settings and understand how to differentiate expectations at each grade level
- Support teachers in creating and implementing phenomena-based and problem-based learning experiences
- Understand the elements of 3-dimensional assessments
- Identify multiple scoring methods and grading practices for STEELS standards
- Understand feedback loops for STEELS teachers to support continuous improvement and evaluation
- Create a STEELS implementation plan for the school/school district

School and system leaders will ...

- ensure the STEELS standards and 3-dimensional learning are integrated into the school's science curriculum.
- create a supportive environment for teachers to implement phenomena-based learning.
- monitor and support effective assessment strategies that reflect the STEELS standards.

School and system leaders will be able to ...

- identify and promote promising practices in science education.
- facilitate professional development for teachers on the STEELS standards and phenomena-based learning.
- evaluate and enhance the implementation of the 3-dimensional framework in classrooms.

Time and Requirements:

Over an 8-week period beginning on **Tuesday, October 1, 2024**, participants will complete coursework thru Schoology. Completion of the course is scheduled for **November 26, 2021**.

Facilitators:

- **Jason Zimmerman**, Teacher and Learning Consultant, Lancaster-Lebanon IU13

Cost:

\$400.00

Act 45 hours: 40 hours

More information:

If you are interested and want to learn more, please contact stem@iu13.org
To register for the **Support STEELS as a School Leader Act 45 Course**, [click here](#)

