

Preparing to Implement PA STEELS K-12 Science Standards

Each phase of the flowchart links to relevant engagement opportunities.

1

Make the case for moving from "learning about" to "figuring out"

Become familiar with and experience, first-hand, the shifts in science teaching and learning embodied in the science portion of the PA STEELS standards.

- Feel the shift.
- Experience it as a learner.
- Experience it as an educator.



2

Create a plan for shifts in science teaching & learning

Embark on the planning process for the strategic implementation of phenomenon-based, 3-D science instruction in your school or district that is aligned with the K-12 science standards in PA STEELS.

- Collaborate with peers.
- Design your professional learning.
- Learn about effective pedagogy.



3

Implement the plan for shifts toward phenomenon-based, 3-D science teaching

- Choose your textbooks and materials.
- Implement the instruction.
- Sharpen your content knowledge.
- Share your plan.



4

Sustain the implementation of shifts in science teaching & learning

- Reflect on and refine your skills.
- Solidify your programming.



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