

CREATING
OPPORTUNITIES
FOR STUDENTS TO
KEEP WYOMING
STRONG



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MEMORANDUM NO. 2018-083

TO: School District Superintendents
K-12 Principals
Curriculum Directors
K-12 Science Teachers

FROM: Megan Degenfelder, Chief Policy Officer

DATE: August 13, 2018

SUBJECT: Science Professional Development Opportunity

SCIENCE PROFESSIONAL DEVELOPMENT OPPORTUNITY

The Wyoming Department of Education will host a professional development course for K-12 science educators, facilitators, and curriculum coordinators. Attendees will develop a deeper understanding of the state's science standards and the K-12 Science Education Framework. They will learn a process for developing three-dimensional instruction and classroom assessments, and develop a classroom instruction blueprint anchored in phenomena and science and engineering practices. Attendees will receive professional development facilitation guides, slides, handouts, and templates for each of the five tools. The course will be taught in Cheyenne by Cindy Gay of [BSCS Science Learning](#).

The course is broken into five tools, and will be held over three, two-day sessions:

Sept. 14-15

- Tool 1: 3D Unit Blueprint - Using the K-12 Science Education Framework and Wyoming Content and Performance Science Standards to develop a three-dimensional unit blueprint.
- Tool 2: 3D Evidence of Learning Specifications - Using performance expectations to develop evidence of learning specifications for classroom assessment.

Oct. 1-2

- Tool 3: 3D Storyline about Phenomena - Using the 5E instructional model to develop a conceptual flow and storyline about phenomena.
- Tool 4: 3D Learning Sequence Outline - Using the 5E instructional model to design three-dimensional learning sequences.

Oct. 29-30

- Tool 5: 3D Assessment - Using evidence of learning specifications to develop three-dimensional performance tasks and rubrics.

Registration is available [here](#). Space is limited. PTSB credit will be available.

For more information, contact Sharla Dowding, Science Consultant, at 307-777-8753 or sharla.dowding@wyo.gov.