

Region 8 Science Professional Development Course

Purpose and Content

To engage science teachers in a course focused on developing reflective practitioners. The course will allow teachers time to reflect and refine their skills related to effective lesson structure, inquiry-based teaching, science practices and process skills, and the nature of science as it relates to curriculum, instruction, and assessment.



The course will be aligned and support the Standards for the Professional Practices for Teachers of Science.

1. Professional Knowledge
2. Instructional Planning
3. Instructional Delivery
4. Assessment of and for Student Learning
5. Learning Environment
6. Professionalism

Additional resources such as use of United Streaming, Virginia Science Activities, Models, and Simulations, eMediaVA, etc. may be included throughout the five-day course.

Delivery Model and Locations

The Region 8 Professional Development Council (PDC) selected the following model:

- 2+3 model - 2 days in the summer (**August 4 and 5**) and 3 days throughout the school year (September, October, and November)
- A K-5 course and a 6-12 course with approximately 30 teachers in each course for a total of 60 science teachers
- Tuition-free graduate credits (2 credits) which would result in 30 hours of professional development or 60 recertification points
- Longwood University will host August meeting days

VDOE, Longwood, and ITTIP Commitment

The partners will provide the following:

- tuition-free graduate course for approximately 60 teachers at \$500 per teacher taught by Longwood faculty
- teacher support to develop inquiry-based lessons with associated assessment
- course materials

Registration:

Interested teachers may register online at [Region 8 Professional Development Course](#).

Please contact Eric Rhoades at Eric.Rhoades@doe.virginia.gov or Dr. Paula Klonowski Leach at paula@ittip.org for more information.