This course supports the assessments for DVP1. The course covers 10 competencies and represents 1 competency units.

**Introduction**

**Overview**
In this course, you will learn to utilize concepts, tools, and structures of science education in the design of learning experiences for elementary students. Part of this process includes creating lesson plans and employing instructional strategies aligned to state and national standards and appropriate for students of varying needs, characteristics, and abilities.

Watch the following video for an introduction to this course:

*Note: To download this video, right-click the following link and choose "Save as...":* [download video](#).

**Competencies**
This course provides guidance to help you demonstrate the following 10 competencies:

- **Competency 671.1.1: Processes of Science**
  The graduate integrates appropriate science concepts, skills, and processes in the development of science education for elementary students.

- **Competency 671.1.2: Inquiry**
  The graduate integrates effective instructional approaches to support science inquiry in the development of science education for elementary students.

- **Competency 671.1.3: Science Learning Environment**
  The graduate integrates developmentally appropriate strategies and approaches that support science literacy into the planning of science learning environments.

- **Competency 671.1.4: Instructional Strategies in Elementary Science Education**
  The graduate plans science instruction that supports the development of scientific knowledge, inquiry, and reasoning in elementary students.

- **Competency 671.1.5: Science for Students with Diverse Learning Needs**
  The graduate plans instruction in science education that provides equitable opportunities for all children.

- **Competency 671.1.6: Assessment in Elementary Science Education**
  The graduate evaluates assessment information to inform instructional decision making and support science education for all students.

- **Competency 671.1.7: Science and Technology**
  The graduate selects appropriate technology tools that support science instruction and learning for elementary students.

- **Competency 671.1.8: Science Standards, Goals, and Outcomes**
  The graduate evaluates the alignment of science standards, learning outcomes, benchmarks, and objectives in the development of science education for elementary students.
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- Competency 671.1.9: Integrating Curriculum
  The graduate creates interdisciplinary learning experiences that effectively incorporate the concepts and modes of scientific inquiry.
- Competency 671.1.10: Science and Community
  The graduate uses a variety of strategies to extend science learning and exploration beyond the classroom.

Teaching Dispositions Statement
Please review the Statement of Teaching Dispositions.

Course Instructor Assistance
As you prepare to successfully demonstrate competency in this subject, remember that course instructors stand ready to help you reach your educational goals. As subject matter experts, mentors enjoy and take pride in helping students become reflective learners, problem solvers, and critical thinkers. Course instructors are excited to hear from you and eager to work with you.

Successful students report that working with a course instructor is the key to their success. Course instructors are able to share tips on approaches, tools, and skills that can help you apply the content you’re studying. They also provide guidance in assessment preparation strategies and troubleshoot areas of deficiency. Even if things don't work out on your first try, course instructors act as a support system to guide you through the revision process. You should expect to work with course instructors for the duration of your coursework, so you are welcome to contact them as soon as you begin. Course instructors are fully committed to your success!

Preparing for Success

The information in this section is provided to detail the resources available for you to use as you complete this course.

Learning Resources
The learning resources listed in this section are required to complete the activities in this course. For many resources, WGU has provided automatic access through the course. However, you may need to manually enroll in or independently acquire other resources. Read the full instructions provided to ensure that you have access to all of your resources in a timely manner.

In the following resources, you may read about No Child Left Behind (NCLB). Please be aware that as of December 2015, President Barack Obama replaced NCLB with the Every Student Succeeds Act (ESSA). This new act reauthorizes the 50-year-old Elementary and Secondary Education Act (ESEA), the nation’s national education law and longstanding commitment to equal opportunity for all students. Although not required for this course, you are encouraged to familiarize yourself with the new act. For additional information, please visit the following links from the U.S. Government and the U.S. Department of Education:

- Webinar recording
- Read the ESEA now referred to as the ESSA
- Fact sheet on ESSA
Automatically Enrolled Learning Resources

You will be automatically enrolled at the activity level for the following learning resources. Simply select the links provided in the activities to access the learning materials.

VitalSource E-Texts

The following textbooks are available to you as e-texts within this course. You will be directly linked to the specific readings required within the activities that follow.


Note: These e-texts are available to you as part of your program tuition and fees, but you may purchase hard copies at your own expense through a retailer of your choice. If you choose to do so, please use the ISBN listed to ensure that you receive the correct edition.

Project in Elementary Science Methods

All the work you previously completed in preparation for the Elementary Science Methods objective assessment is relevant for completing the performance assessment for this course.

Creating Lesson Plans

The material for this course is identical to the material covered by the Elementary Science Methods objective assessment course. Once you have reviewed the material, you should be prepared to complete your project.

Complete: Elementary Science Methods Performance Assessment

Complete the following performance assessment in TaskStream:

- Elementary Science Methods: DVP Task 1

For details about this performance assessment, see the "Assessment" tab in this course.

You can integrate pieces of lesson plans and activities that you have created throughout the Elementary Science Methods objective assessment course.

Final Steps

Congratulations on completing the activities in this course! This course has prepared you to complete the assessments associated with this course. If you have not already been directed to complete the assessments, schedule and complete your assessments now.