



EDU-C428-50

The Creative Science Classroom

The Center for Teaching Excellence
University of Virginia's College at Wise

Instructor: Angela Turley, Ed.D.
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Office Hours: Online course, please email
Grading: 3 hour undergraduate college credit

I. Course Description:

This class will allow students to let their imagination rocket as they create a variety of activities that will add zing to science instruction. The use of inquiry, games, technology, literature, and music are just a few of the ideas that will be integrated into the class. This class will focus on the development of materials that will address the Virginia Department of Education's 2010 Science Standards of Learning.

II. Course Aims and Objectives:

Goals - Students in this course should be able to:

- Show an understanding the Virginia Standards of Learning for Science (2010)
- Utilize researched based methods and technology tools to create engagement in the classroom
- Reflect upon lessons and interact with students and colleagues

Specific Learning Objectives - By the end of this course, students will:

- Demonstrate an understanding of Virginia Standards of Learning Science content
- Grasp the meaning of the Nature of Science
- Identify the characteristics of inquiry based instruction
- Utilize a variety of methods to encourage their students to learn science materials
- Display a willingness to step outside the box by creating lessons that will motivate student learning
- Develop lesson plans that integrate other elementary curriculum areas around a science topic
- Adapt learning materials to accommodate all learners including those that are educationally challenged and the gifted learner