

## **Summer Institute 2024**

**Course Topic: Dive Into the New ELS & ILS Science Investigations**

**Course Schedule: July 8-11 (Asynchronous Online)**

**Instructor: Vanessa Vidalon**

### **Course Description:**

This course is designed for Elementary and Intermediate teachers interested in the New Science Lab Investigations. Teachers will learn and demonstrate the use of Science notebooks in the classroom while measuring students understanding of science skills and concepts in the NYSSLS. Focusing on mastering science practices and processing skills.

You will learn how to set up and navigate expectations within the lab investigations. You will be provided tips for set up and implementation, and give you opportunities to practice activities within each NYSED Science Investigation.

We will also discuss how these labs relate to the standards and how they can fit into our curriculum. You'll be given time to ask questions and collaborate with colleagues within the Forum. I will be working with you along side to edit/comment or assist in lessons, assignments, or discussions.

### **Grading Course Syllabus:**

**Introduction: What is the new ELS/ILS Science Investigations and CBT Testing (3pts)**

- Response Questions (3pts)

**Lesson 1 Increasing Vocabulary To Address Question Format in ELS/ILS Investigations (8pts)**

- Response Questions (8pts)

**Lesson 2 Preparation of Stations for ELS/ILS & Technology Demands (8pts)**

- Response Questions (8pts)

**Lesson 3 Properties of Matter: What's in the Bag & Energy: Light It Up (12pts)**

- Response Questions (8pts)
- Discussion Question (4pts)

**Lesson 4 Weather & Climate: Cloud In A Bottle & Inheritance & Variation: Circle Of Life (12pts)**

- Response Questions (8pts)
- Discussion Question (4pts)

**Lesson 5 Performance Expectations on Multilingual Learners & Students with Modifications (8pts)**

- Response Questions (8pts)

**Lesson 6 Energy: Cool It & Structure & Function: It's Alive (12pts)**

- Response Questions (8pts)
- Discussion Question (4pts)

**Lesson 7 Properties of Matter: All Mixed Up & Weather/Climate: How's The Weather Up There (12pts)**

- Response Questions (8pts)
- Discussion Question (4pts)

**Lesson 8 Preparing Teacher Resources and Self Guided Workbooks as Review (12pts)**

- Response Questions (8pts)
- Discussion Question (4pts)

**Final Project (13pts)**

- Lesson Plan to Include (13pts)
  - o Create Lesson: Teacher Protocol and Student assignment. Please Include Modifications and Language Mods if needed. In this lesson, please include stations of ELS or ILS that can be used within the Science curriculum and in turn implement the standards so that both can co exist.