

### Introduction

Teacher:	Grade: 6-12	Date(s):
----------	-------------	----------

**Unit Title: NC STEM Career Exploration**

### Materials/Resources/Tech Contextual Vocabulary

<b>Teacher:</b> assigned/Printed PDFs  <b>Student:</b> computer, assigned PDFs	STEM, Chemist, Forensic Technician, Environmental Science, Food Science, Nuclear Med Tech, Material Science, Cosmetics Chemist, STEM expert
--	---

### Learning Experience(s)

**Essential Standards/Objectives:** Students will explore various STEM careers, identify skills and educational pathways required, and evaluate how these careers relate to real-world applications in science, technology, engineering, and mathematics.

**Essential Question(s):** How do different STEM careers impact our everyday lives, and what skills and knowledge are needed to succeed in these fields?

**Gear Up: (5 min.)** What careers can you think of that incorporate science and technology like those seen in Sci-Ops?

**Guided Practice: (45-60 min)** [NC Chemistry Career Day](#) (activity includes career exploration and group game)

**Additional Resources for 90 minute class**

**Independent/Small Group: (15-20 min)** Sci-Ops Gameplay level: 3-6

[Sci-Ops Play to Learn- Levels 1 to 3](#)

[Sci-Ops Play to Learn- Levels 3 to 6](#)

### Differentiation Strategies

- Portal & Sci-Ops available in Spanish
- Sci-Ops Play to Learn-optional activity during gameplay if needed for student direction

### Assessment(s) & Reflection

**Assessment & Closure: (5 min.)**

**Power Down:** Tell me about a STEM Expert you would like to see added to the game and what upgrade would they give to the Sci-Operatives.

**Teacher Reflection:** (Next steps?)

[Lesson Plan Feedback](#)