

**Wallenpaupack Area School District
Planned Course Curriculum Guide**

Department

Name of Course

Course Description:

Initial Creation Date (if applicable) and Revision Dates:

Wallenpaupack Area School District Curriculum	
COURSE: Protective Services Level 3 Fire	GRADE/S: 12
UNIT 2: SCBA	TIMEFRAME: 20 days

PA COMMON CORE/NATIONAL STANDARDS:

Firefighters work in smoky, toxic atmospheres that can be detrimental to their health. The Self-Contained Breathing Apparatus (SCBA) allows firefighters to perform their duties in these environments, but they must understand SCBA’s limitations, know its operational rules and requirements, and calculate its air supply continually during use.

UNIT OBJECTIVES (SWBATS):

- The students will be able to:
- Identify the firefighters’ physical requirements for wearing a self-contained breathing apparatus
 - Describe and demonstrate how to calculate the air supply duration in the cylinder
 - Describe the uses and limitations of the SCBA
 - Demonstrate the replacement of an extended cylinder on a self-contained breathing apparatus assembly with a full cylinder
 - Document routine maintenance for the SCBA

INSTRUCTIONAL STRATEGIES/ACTIVITIES:

SCBA Inspection Procedure – Have the students conduct an SCBA inspection. During the inspection, have the students touch each component and state its name and condition.

Cylinder Replacement – Have the students demonstrate replacing a SCBA cylinder using the one- and two-person methods. Use the SCBA Cylinder Replacement–One-Person Method Checklist and the SCBA Cylinder Replacement–Two-Person Method Checklist to guide the activity

ASSESSMENTS (Diagnostic/Benchmark/Formative/Summative):

- SCBA Air Management and Safety Quiz and Key
- SCBA Inspection Procedure Checklist
- SCBA Cylinder Replacement–One-Person Method Checklist
- SCBA Cylinder Replacement–Two-Person Method Checklist
- Discussion Rubric
- Individual Work Rubric
- Presentation Rubric

DIFFERENTIATED INSTRUCTION (Acceleration/Enrichment):

For enrichment, students will create a technical demonstration about either an SCBA inspection or an SCBA operational check.

RESOURCES (Technology Based Resources, Text Resources, etc.):

- SCBA Air Management and Safety Quiz and Key
- SCBA Inspection Procedure Checklist
- SCBA Cylinder Replacement–One-Person Method Checklist
- SCBA Cylinder Replacement–Two-Person Method Checklist
- Computer
- Personal Protective Equipment (PPE)
- SCBA

KEY VOCABULARY:

Key Terms: