



## Lesson Plan Framework

### UNIT F4 Fire fighting

**Group:** 1T

**Location:** Main Chemistry Lab

**Date/Time:** 16<sup>th</sup> January/ 11h to 12h10

#### 1. Learning Objectives:

Pupils will know...

- That Burning reactions need oxygen as a reactant.
- That combustion is another word for burning reactions.
- The difference between burning reactions in air and in oxygen.
- All burning reactions give out energy.
- That a fire triangle reminds us of the three things needed to start a fire and helps us explain how to put out a fire.

#### 2. Learning Outcomes:

- learn that fuel, oxygen and some energy are needed to start burning.
- realise that removing one of these can stop a fire realise that substances burn more vigorously in pure oxygen than air because air is only 20% oxygen.
- Understand that burning is a chemical reaction.
- Learn that combustion is another word for burning.
- Pupils will carry out an investigation work about a candle in a jar as a way to develop more knowledge about the unit.

#### 3. National Curriculum References:

- KS3, Unit F (Changing Materials), sub unit F4 (Fire Fighting) of the catalyst text book.

#### 4. Links to other areas:

- Children will be able to learn the lesson topic using some ICT Skills, citizenship, literacy and working as independent students.

#### 5. Previous Assessment details informing this lesson:

- Teacher gave simple last lesson homework about what is combustion and fire fighting.



## **6. Differentiation:**

- The differentiation process will be to check misconceptions and to develop the same knowledge in different types of questions (starter activity worksheet to review last lesson homework). The gift and talented pupils will have a question that can help them to develop knowledge and cross link about what they already know. Pupils with difficulties will have a general sentence, about the same topic, but without a large scale of difficulty.

## **7. Health and Safety:**

- See risk assessment attached.