



Lesson Plan Framework

UNIT F4

Fire fighting – lesson 2

Group: 1G

Location: Main Chemistry Lab

Date/Time: 16th January/ 9h35 to 10h45

1. Learning Objectives:

Pupils will recap...

- 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:

At the end of the lesson pupils will...

- 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 a last lesson homework about chemical and physical change as a way to put pupils establish a relationship between the fire fighting topic and other topics main ideas of the same chapter.

6. Differentiation:

- The differentiation process will be to check misconceptions and to develop the same knowledge in different types of questions and answers. The gift and talented pupils will have a worksheet extension (if they finish first the investigation worksheet) to develop knowledge and cross link about what they already know. Pupils with difficulties will have more support of the teacher to finish the investigation worksheet.

7. Health and Safety:

-No lab practical experiment in this lesson.