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Lesson Plan Framework

UNIT H
Sub Unit H2

Energy from reactions

F. Group: 3G
Location: General Science Lab
Date/Time: 8th January 2007/14h30 to 15h40

1. Learning Objectives:

- Appreciate that chemical reactions, including combustion and displacement, can release energy, including voltaic cells.

- Understand combustion reactions of various fuels.

2. Learning Outcomes:

Pupils will...

- Appreciate that chemistry is used to provide much of our energy.

- Be able to write balanced chemical equations for the key reactions

- Know that electrical energy can be produced from a voltaic cell.

3. National Curriculum References:

- KS3, Unit H2 of the catalyst text book.

4. Links to other areas:

- Children with be able to learn the lesson topic using some ICT Skills, literacy and citizenship.

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5. Previous Assessment details informing this lesson:

- Use activities to capture interest, giving all the necessary instructions for them to understand the unit and carry on (without doubts) to the next lesson.

6. Differentiation:

- Particular attention to dyslexic pupils, during the lesson and verify at the end of lesson the work developed and complete if necessary.

- If necessary repeat all the lesson important concepts to pupils with difficulties as a way to follow their progress in the classroom.

- Particular attentions to bright pupils, using a worksheet extension to pupils develop more knowledge about the unit.

7. Health and Safety:

- No lab practical activity in this lesson.