



PROFILES IBSE Teaching/Learning Materials – Overview

Compiled by the PROFILES Working Group of Valahia University of Targoviste – România



A Module for Science Instruction – Chemistry – for Grades 10 to 11

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1. Abstract:

This set of activities allows students to consider factors which can be involved in determining the best soap to use. The activities also allow students to devise tests for determining the effectiveness of the soaps as cleaning agents. Finally the activity reinforces the meaning of a soap and an understanding of its cleaning action.



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2. Subject: Science and/or Chemistry

3. Grade Level: Grade 10 to 11

4. Curriculum content: Saponification (consolidation of concept); Soaps: preparation methods and their cleaning action.

5. Kind of activity: Devising factors affecting 'best'; planning and carrying out tests on the cleansing ability of soap. Comparing soaps by cost.

6. Anticipated Time: 4 lessons

7. Overall objective/Competencies: The students will be able to:

- Choose the 'best' soap.
- Recognise factors that affect the choice of soap to buy.
- Put forward and carry out a procedure for testing the cleansing ability of soaps.
- Cooperate and meaningfully communicate orally as member of a group in planning, carrying out and interpreting the testing of soaps to undertake the tests in an effective manner.
- Understand emulsifying power and the action of soap as a cleansing agent.
- Describe the most important structural aspects of soaps.
- Correlate some properties of soaps with their structure and uses.

Sections		
1.	Students Activities	Describes the scenario in more detail and the tasks the students should perform
2.	Teaching Guide	Suggests a teaching approach
3.	Assessment	Gives suggested formative assessment strategies
4.	Teacher Notes	Gives suggested tests to be carried out by students

Acknowledgement:

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