



PARSEL teaching –learning materials compiled by the consortium
as part of an EC FP6 funded project (SAS6-CT-2006-042922-PARSEL).



Analysis of newspaper/ magazine news about socio-scientific issues

A 12 to 18 year old students' module for use in all science's curriculum

Abstract

Analysis of journal and/or magazine news about controversial issues related to Science, Technology, Society and Environment (STS-E).

This unique teaching-learning material is intended to guide the teacher towards promoting students' scientific literacy by recognising learning in 4 domains – intellectual development, the process and nature of science, personal development and social development.

Its uniqueness extends to an approach to science lessons which is designed to be popular and relevant. For this the approach is intentionally from society to science and attempts to specifically meet student learning needs.

This uniqueness is specifically exhibited by:

1. a society related and issue-based title (supported in the student guide by a scenario);
2. student-centred emphasis on scientific problem solving, encompassing the learnign of a range of educational and scientific goals;
3. including socio-scientific decision making to relate the science acquired to societal needs for responsible citizenship.

Developers: Galvão, C., Reis, P., Freire, A. e Oliveira, T. (2006). Avaliação de competências em ciências: Sugestões para professores do ensino básico e do ensino secundário. [Competence evaluation in science. Suggestions for basic and secondary education teachers]. Lisboa: ASA.

Institute: University of Lisbon
Country: Portugal



Subject: All sciences' curriculum

Grade level: 12 – 18 years old

Overall Objectives/Competencies: The objective of this task is to facilitate comprehension of the tensions that surround scientific enterprise, technology and society. For that, students are expected to:

Collect newspaper or magazine news about controversial issues related to Science, Technology, Society and Environment.

Analyse newspaper or magazine news, by taking into consideration some critical points.

Present his/ her analyses to the class.

Discuss main ideas with peers.

Curriculum content: All curriculum contents

Kind of activity: Text analysis and discussion

Anticipated time: 3 hours at school

Attached files		
1.	Student 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

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