Environment

El tema del medio ambiente en inglés. Material de apoyo para AICLE con MALTED

Mª Victoria Oliver

I Taula Rodona sobre Programes AICLE Barcelona 28-29 abril 2009

Environment

The Environment topic in English.

Supporting teaching aid for CLIL with

MALTED software

Ma Victoria Oliver

I Taula Rodona sobre Programes AICLE Barcelona 28-29 abril 2009

- 1. Political and Educational context of Environment
- 2. Malted software
- 3. 1st teaching aid: Pollution a global problem
- 4. 2nd teching aid: *Environment*
- 5. The last version of *Environment*
- 6. Environment: Content
- 7. Key competences in ESO and *Environment*
- 8. Conclusion. Valoración de la práctica y propuestas de mejora y estudio.

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Contexto político

United Nations & International Conferences

• 1972 Estockholm Declaration.

UNEP (1974)

1987 The Montreal Protocole

1988 The World Commission on

Environment and Development

IPCC

- 1975 The Belgrade Charter
- 1977 Tbilisi Declaration
- 1992 Earth Summit in Rio
- 1997 Thesaloniki Declarati
- 2000 Millennium Declarati
- 2005 Kyoto Protocol (1998)
- 2007 IPCC shares the Nob Prize with Al Gore

European Union

- EU 1990
- EEA European Environment Agency 1993
- The Maastricht Treaty (1992)
- Sixth Environment Action Programme 2001

"Environment 2010: Our future, Our choice" covers the period from 22 July 2002 to 21 July 2012

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Educational context

LOGSE (1990) CROSS-CURRICULA TOPICS

- 1. Moral and civic
- 2. Peace
- 3. Health
- 4. Equal opportunities for both men and women
- 5. Environment
- 6. Sexual
- 7. Consumer
- 8. Road Safety Education

LOE (2006) BASIC COMPETENCES

- 1. Competence in language communication.
- 2. Mathematical Competence.
- 3. Competence in knowledge and interaction with the physical world.
- 4. Information treatment and digital Competence.
- 5. Social and civic Competences.
- 6. Cultural and artistic Competence.
- 7. Learning to learn Competence.
- 8. Autonomy and personal initiative Competence.

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Malted

Multimedia Authoring for Language Tutors and Educational Development

- ✓ Educational Multimedia Task Force
 (Telematics Applications, Sócrates & Leonardo da Vinci programs)
- ✓ United Kingdom, France, Ireland and Spain
- ✓ Windows & Linux
- ✓ Download: http://malted.cnice.mec.es/descargas/index.htm.
- ✓ GNU license
- ✓ Update and improvements in CNICE (Centro Nacional de Información y Comunicación Educativa del Ministerio de Educación)

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ΜĐ

The Script Editor RTE

MD

MĐ

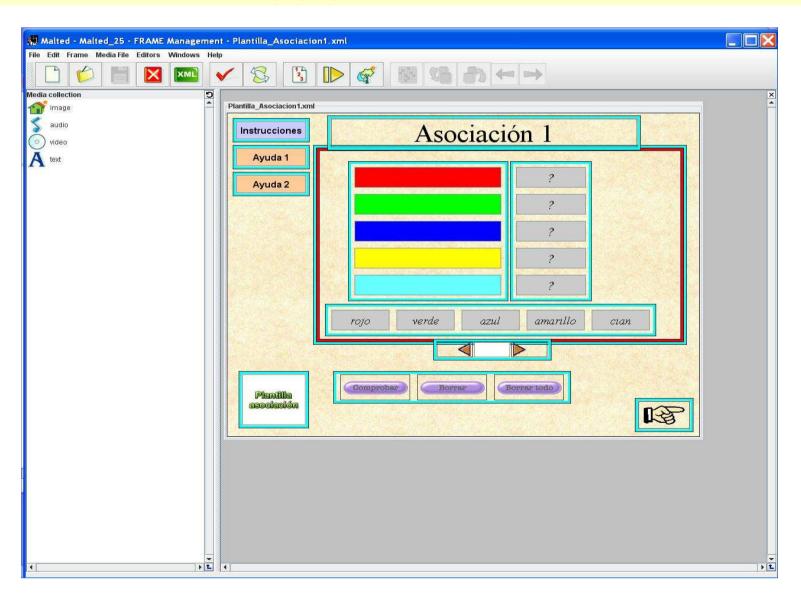
The Runtime System RTS

The Developer tool DVE

TUTORIALS

http://malted.cnice.mec.es/tutorial/multimedia/index.htm





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First teaching aid

Practice in a course for teachers about MALTED by CEFIRE in Castellón



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The students

Level 2nd Secondary
Number of students 17

Level of English 7 low

8 basic

2 good

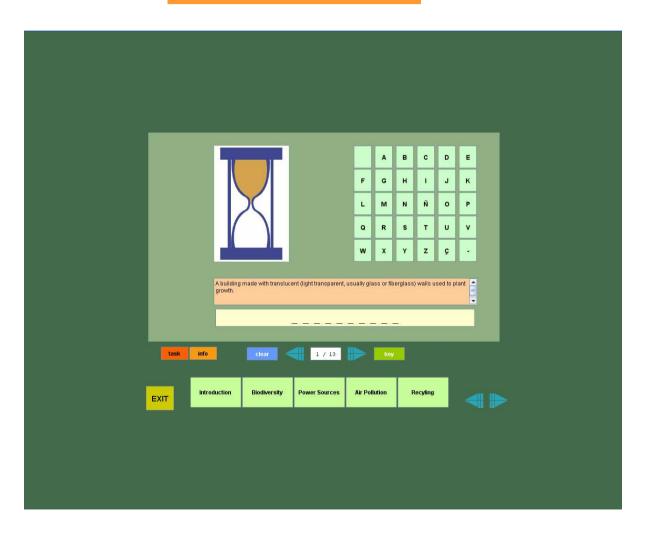
Implementation

Objective: assessing the project

- ✓ Content learning in students
- ✓ Specific English vocabulary learning
- ✓ Degree of difficulty in the activities
- Mistakes in the activities
- ✓ Content
- advantages and disadvantages of implementation

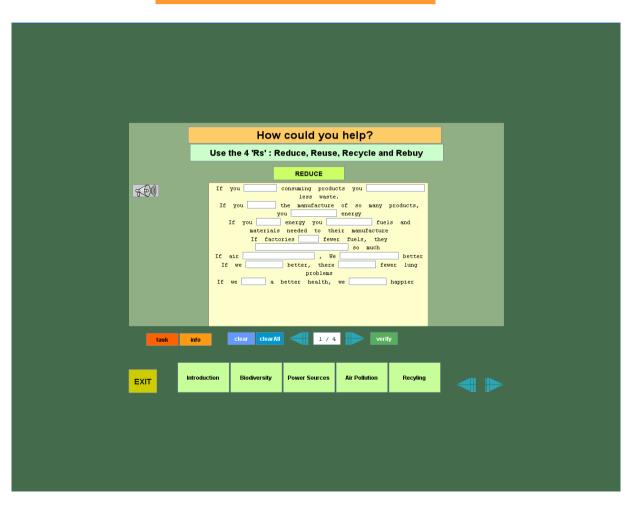
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Activity: Hangman



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Activity: Filling gaps



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Improvement

Project

- More attractive dessign based on photographs (Cc)
- Instructions for activities
- ✓ Addition of curricular content: Waste and Water resources
- Addition of different activities: Listening and speaking
- A glossary of specific terms and an online dictionary
- Same system for verification of activities

Implementation

- Ways to evaluate the students' learning
- Reservation of computer lab in advance

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The 2nd teaching aid

Changes after the result in the tests, from June to September 2007



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The 2nd teaching aid





Pollution: a global problem 24 frames

Environment 62 frames

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- ✓ 1st course secondary school (16-17)
- ✓ 10 lessons: January, February & March
- Evaluation
- Results

Implementation

Objectives

- ✓ Introduce ICTs
- Integrate the environment topic as a cross-curricula topic in the English subject
- Complement the Environment program developed by the Environment Comission in IES Vicent Castell in Castellón

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Last version of Environment

Improvement and enlarging until september 2008.





62 frames 95 frames

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Objetives

Changes

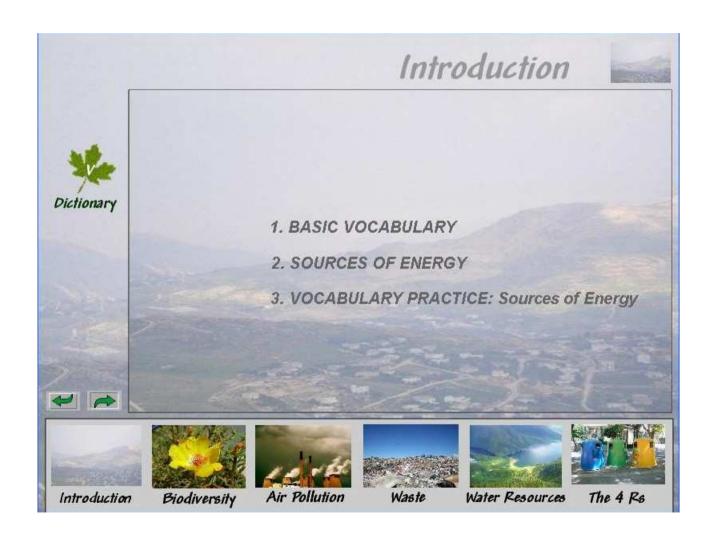
- ✓ Prepare the text for 4th course ESO
- Present it to Teaching materials
 Prizes 2008 in la Comunitat
 Valenciana

- Rerecording texts
- Adding grammar explanations and practice (4th ESO English language curriculum).
- Adding pronunciation practice about specific terms
- Enlarging content about *Biodiversity*

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Environment: content and features















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Basic Competences in Environment

- 1. Competence in language communication
- 2. Mathematic competence
- 3. Competence in knowledge and interaction with the physical world
- 4. Treatment of information and digital competence.
- 5. Social and civic competence
- 6. Cultural and artistic competence
- 7. Learning to learn competence
- 8. Autonomy and personal initiative competence

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Competence in English language (1)

Oral skills

Listening

- ✓ Listen and say the correct order
- Supporting a reading activity
- ✓ Listening for the gist
- Recognizing specific terms

Speaking

- ✓ Pronunciation of specific terms
- Answering questions about own action to prevent global warming

Written skills

Reading

Reading for the gist

Writing

- Relate oral to written discourse (dictation)
- Writing simple sentences in formal language
- Writing a summary

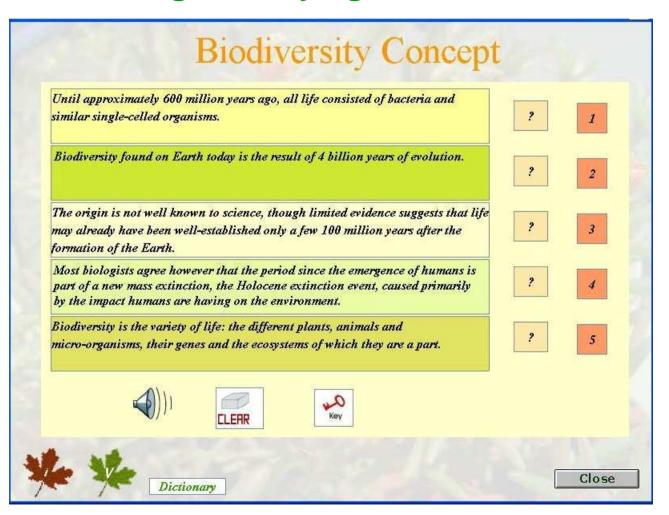
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Knowledge of vocabulary & functional grammar

- ✓ Word order
- ✓ Parts of speech
- Tenses: forms and use
- ✓ Specific terms
- ✓ Formal language structures

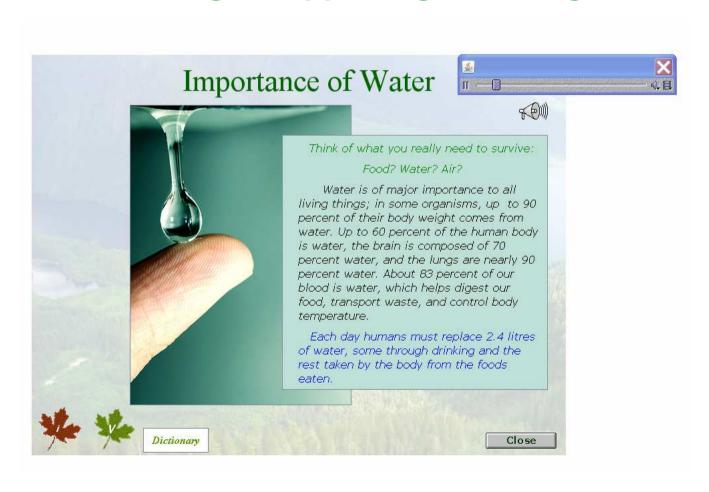
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Listening and saying the correct order



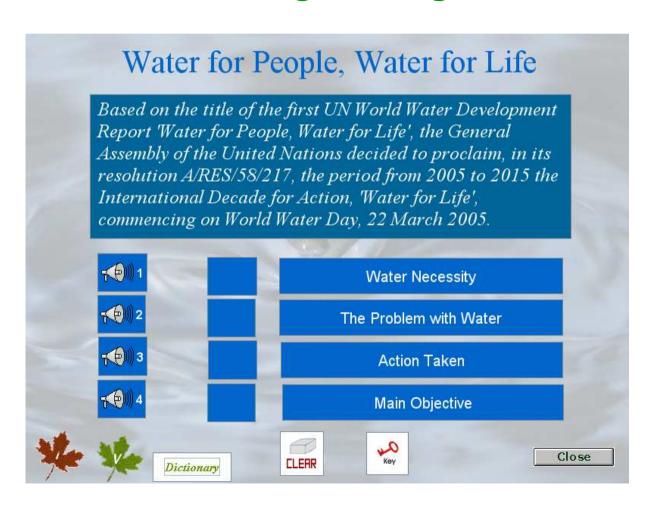
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Listening: Supporting a reading text



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Listening for the gist



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Litening: Recognizing specific terms



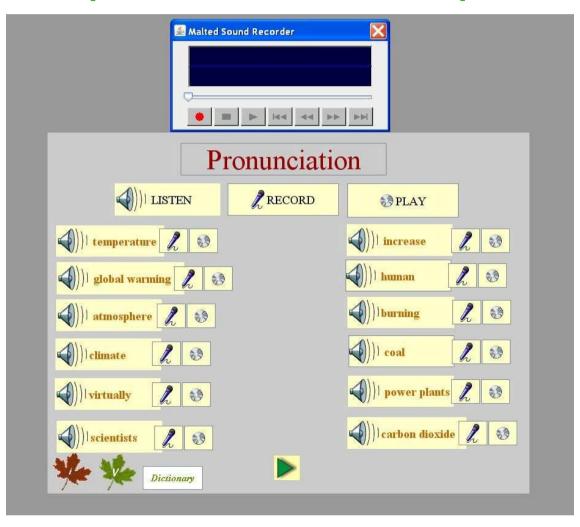
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Listen, pronounce and record Specific terms



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Listen, pronounce and record Specific terms



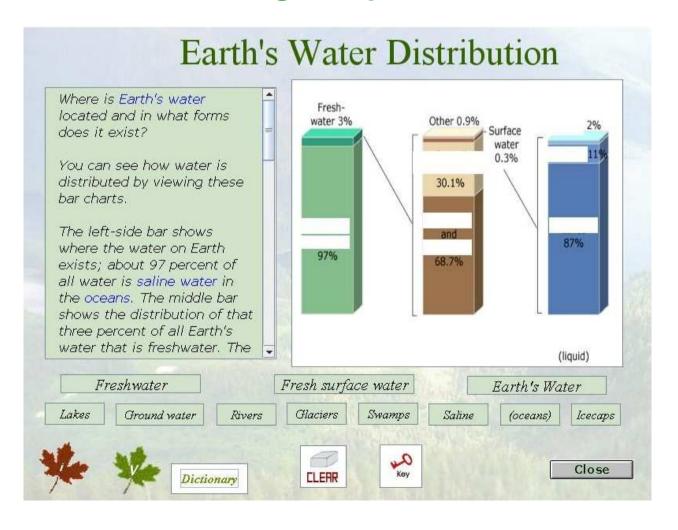
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Listening and answering questions



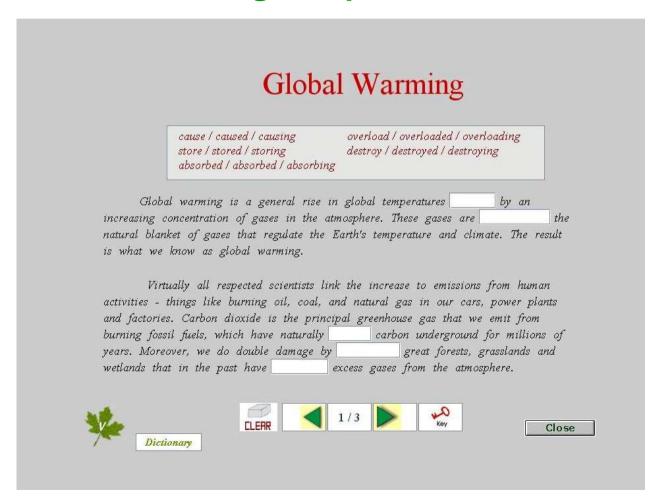
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Reading comprehension



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Reading comprehension



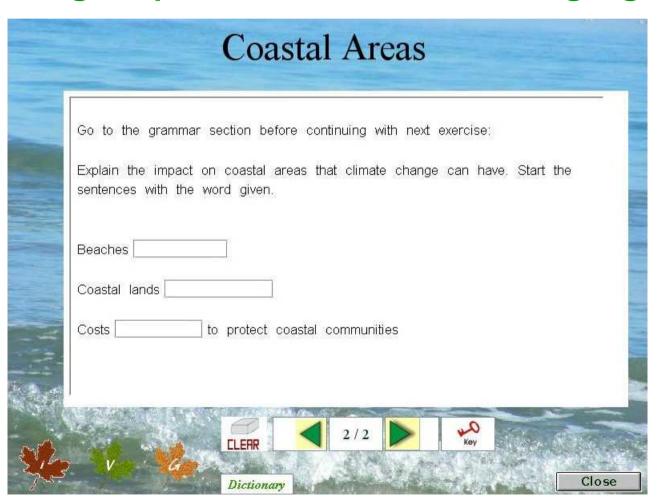
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Listening comprehension and writing



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Writing simple sentences in formal language

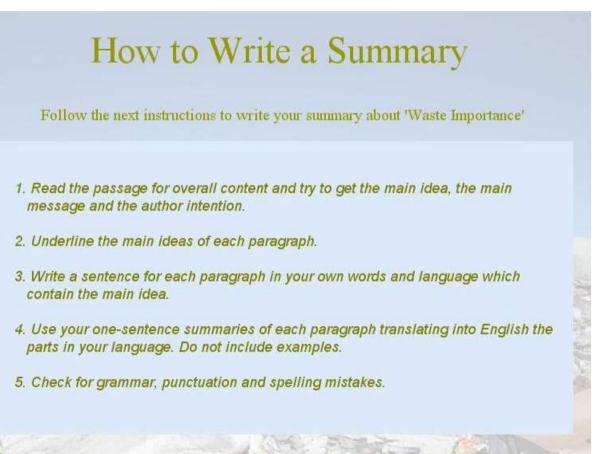


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Writing a summary



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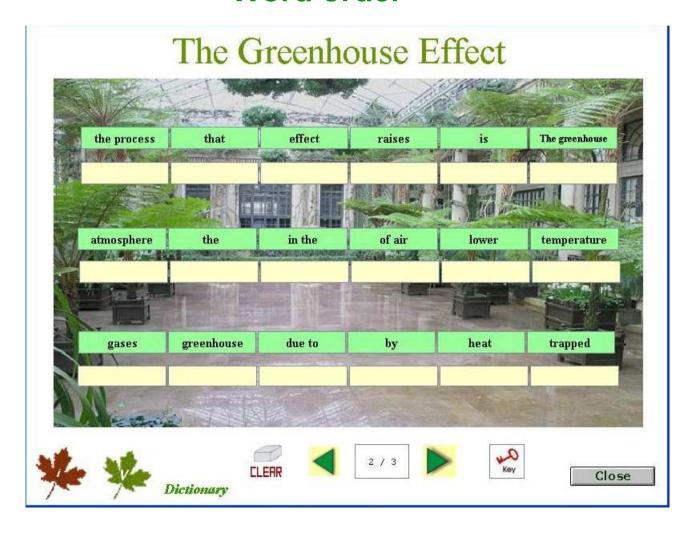


Dictionary

Close

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Word order



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Parts of the speech

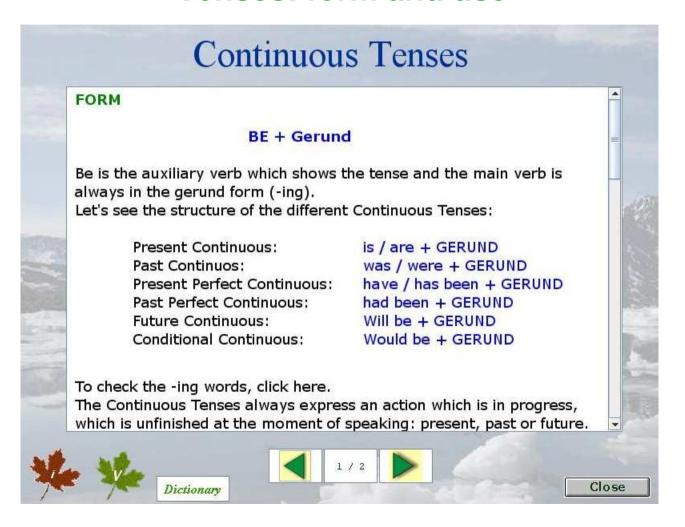


waste prevention rewritten: the translation is: waste generation rewritten: the translation is:	Environ rewritten: the translation is:	unent Action Programme	
rewritten:		waste prevention	



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Tenses: form and use



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Past Continuous

- Sebastian ar She			efore 9:00 pm, b er final examinat	ut she wasn't there. ion in French.
- Sandy is in	the living room (watch) also telev			yesterday, she
- A: I called B: I	- E 10 Sept.	er dinner, but out at the fitnes		. Where were you?
- When I	(walk) with a customer,	The second secon	office, the secret	ary (talk)
- Carlo Carl	managers		300 EF 9225	improve customer
		CLEAR	Key	

Close

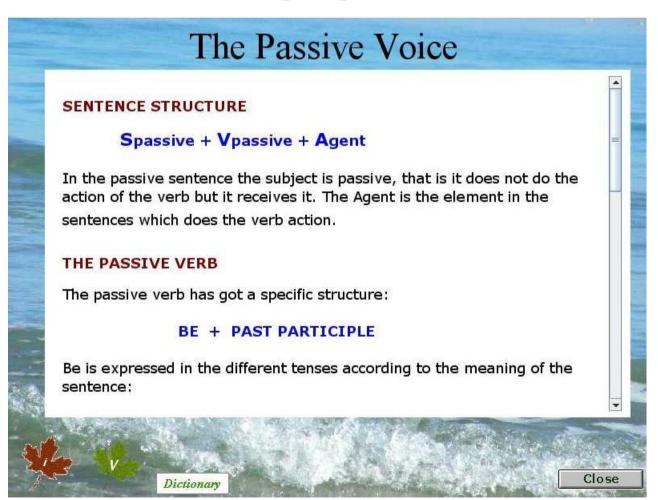
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Specific terms practice

Compound Words	
PREPOSITION + NOUN / VERB	
Overload over + load =	
Underground under + ground =	
ADJECTIVE + NOUN	
Greenhouse green + house = =	
Wetland wet + land =	
NOUN + NOUN	
Grassland grass + land =	
2 SEPARATE WORDS	
Carbon Dioxide carbon + dioxide =	
Carbon Brance Carbon randate	——————————————————————————————————————
NOUN / VERB + PREPOSITION	
buildup build + up =	
CLERR Key	
Vocabulary	Close

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Formal language structures



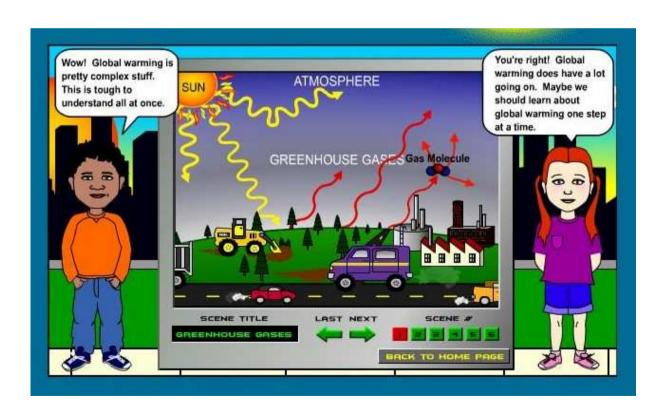
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Competence in knowledge and interaction with the physical world (3)

- Learning concepts and processes.
- ✓ Ability to know complex systems:
 - Global warming agents
 - Greenhouse effect
 - Consequences and impact on natural and everyday environment.

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Learning concepts and processes: Global warming agents



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Learning concepts and processes

The Greenhouse Effect











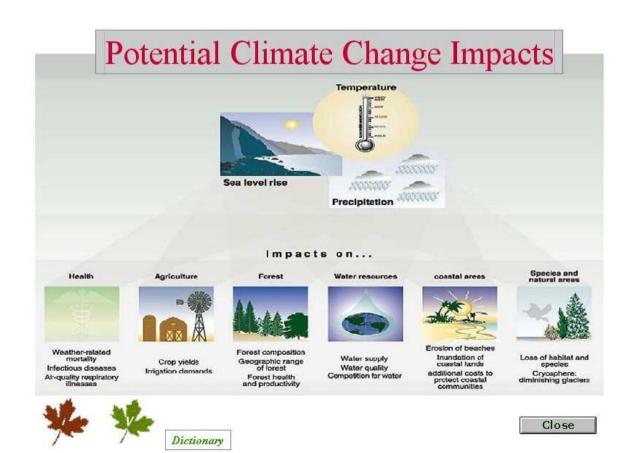




Close

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Learning concepts and processes



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Learning concepts and processes



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Learning concepts and processes



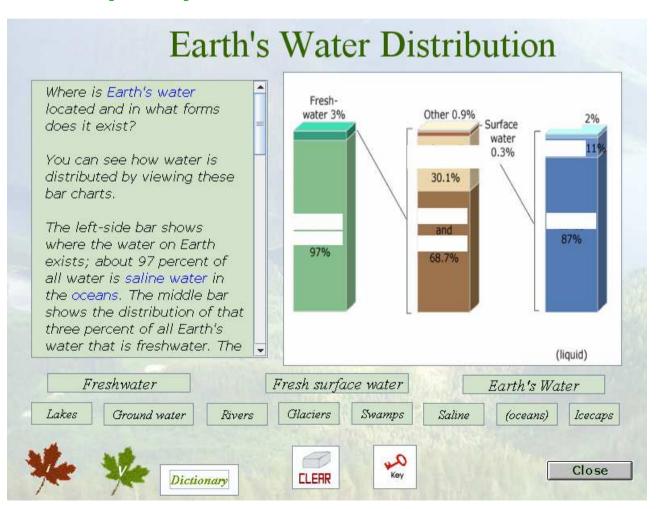
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Treatment of information and digital competence (4)

- ✓ Specific ways to search, collect, process and present information used in many different forms: verbal, numeric, symbolic or graphic.
- Using ICTs as an important part to be informed, learn and communicate.
 Information on:
 - institutional web pages
 - web sites with grammar explanations and practice
 - online dictionary
 - e-mail

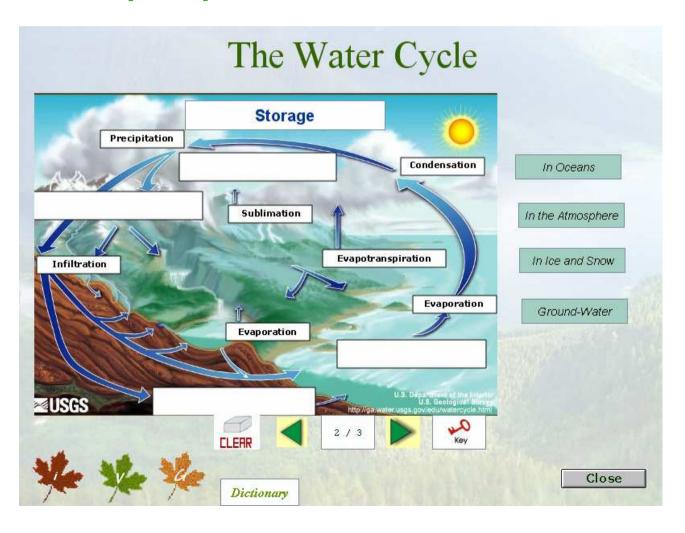
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Graphic presentation of information



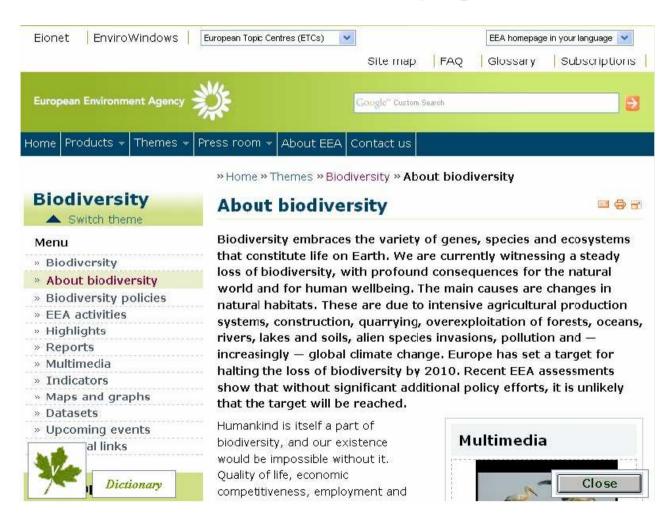
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Graphic presentation of information



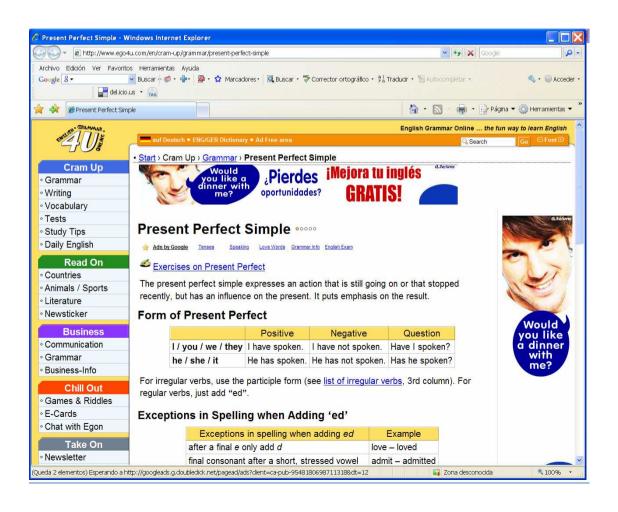
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Institutional web pages



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Websites with grammar explanations and practice



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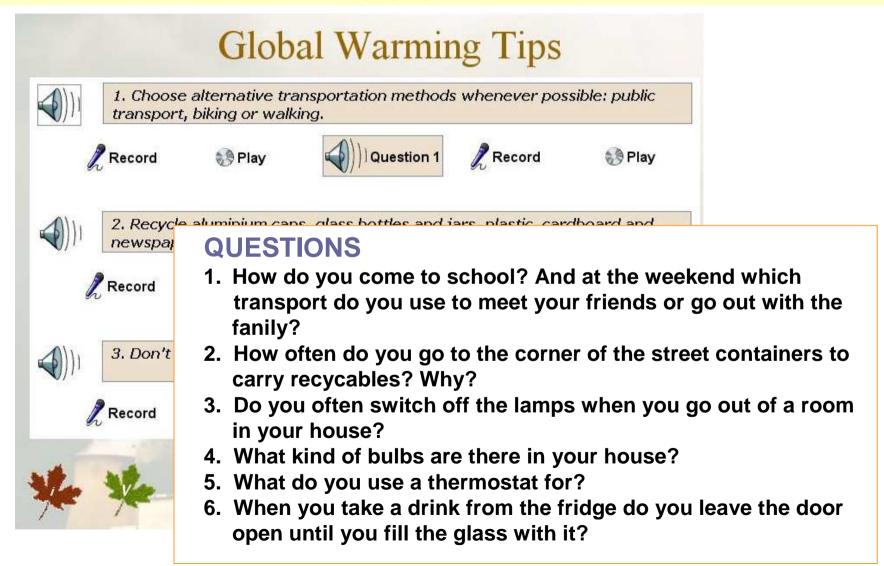
On-line dictionary

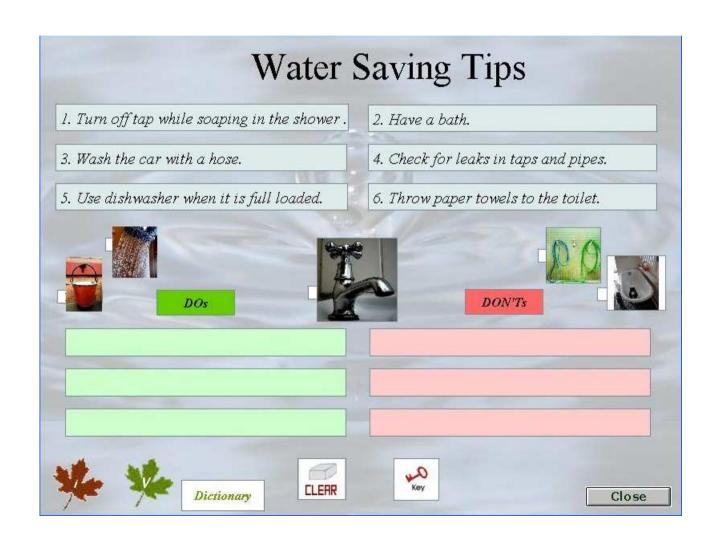


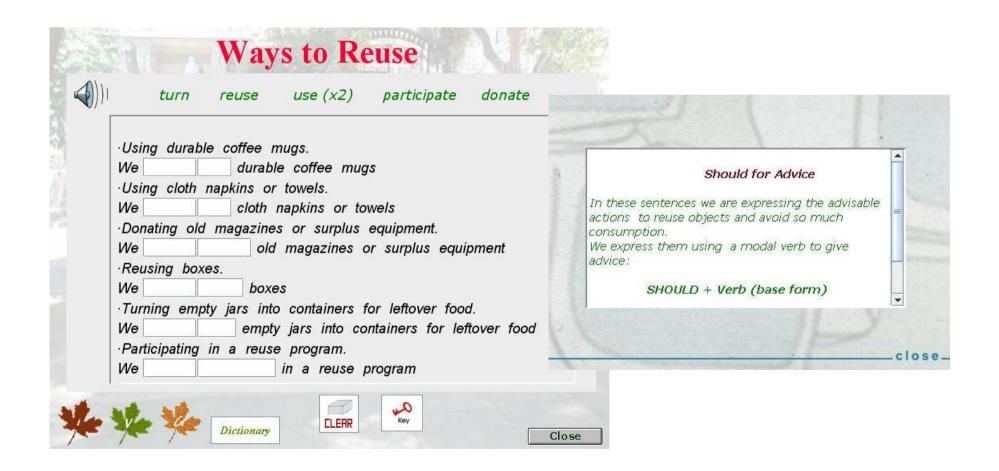
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Social and civic competence (5)

- Active participation in making decisions and resolving conflicts. Personal contribution to:
 - avoid environmental impacts
 - approppriate use of technologies
 - responsible use of water resources
 - responsible consumption
 - a good use of natural resources







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Learning to learn Competence (7)

Learning to learn is the ability to pursue and persist in learning, to organise one's own learning including through effective management of time and information, both individually and in groups.

- ✓ awareness of one's learning process
 → learn about one's abilities.
- ✓ independence and ability to overcome obstacles in order to learn successfully → motivation, selfconfidence and find the pleasure for learning.

- ✓ Self-assessment
- ✓ Choosing one's learning itinerary
- ✓ Individual and autonomous work
- ✓ Sources of information and learning

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Self-assessment





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Choosing one's learning itinerary



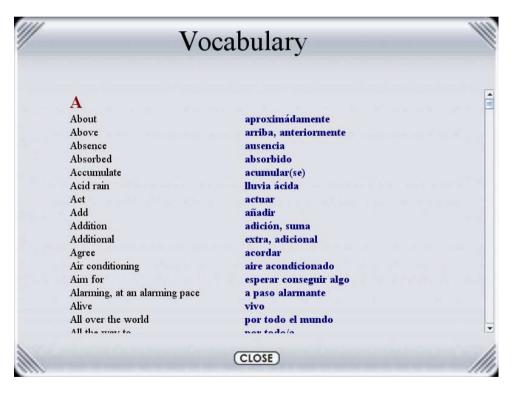
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Individual and autonomous work



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Sources of information and learning





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Conclusion: Assessment about practice and proposals for improvement and further studies

Assessment on practice

- A new attractive experience for students
- ✓ Individual work = deep concentration on tasks and study
- Rigorous performance in the activities
- Personal learning process development
- Organizing computer lab in advance
- ✓ Teacher's role: watcher and councellor.

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Proposals for improvement and future studies

- Research on activities to improve student-student interactivity and collaborative work
- Improvement in digital competence adding other web resources.
- Research on MALTED possibilities to develop specific competences for :

English Language Ciencias de la Naturaleza y Medio Ambiente

- Working on multilingual glossaries
- ✓ Upgrading links
- Upgrading contents

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Thank you

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