University Students’ English Language Improvements through a Content-Based Course

Progresos en el nivel de inglés de estudiantes universitarios a través de un curso basado en contenido

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Content-Based Instruction (CBI) may result in improved proficiency in language skills due to the meaningful combination of subject matter and foreign language as a means of communication. This paper shows how university students improved their level of English by means of a content methodology as they attended a course called Topics in Molecular Microbiology. The course was a collaborative enterprise between the School of Microbiology and the School of Languages at a public university. The methodology used was a case study. Five instruments and the MELICET test were used and analyzed in order to check students’ language gains. The findings support that seven undergraduate students improved their speaking and listening skills. Finally, this study offers two implications: Universities should offer more CBI courses; language teachers and content teachers should work collaboratively.

Key words: CBI, English language improvement, listening and speaking skills

La enseñanza basada en contenidos es beneficiosa en el aprendizaje de un idioma. El presente artículo muestra cómo los estudiantes universitarios mejoraron su nivel de inglés por medio de la metodología de contenido cuando ellos asistían a un curso de Microbiología Molecular. El curso fue un trabajo colaborativo entre la Escuela de Microbiología y la Escuela de Idiomas de una universidad pública. La metodología utilizada fue un estudio de caso y se utilizaron cinco instrumentos y la prueba MELICET para comprobar el progreso de los estudiantes en el idioma inglés. Los hallazgos indican que siete estudiantes de pregrado mejoraron sus habilidades de habla y escucha. Finalmente, este estudio ofrece dos
implicaciones: las universidades deberían ofrecer más cursos basados en contenidos, los profesores de idiomas y los profesores de contenido deberían trabajar colegiadamente.

Palabras clave: habilidades de escucha y habla, instrucción basada en contenido, mejora en el idioma inglés

Introduction

In this paper, researchers support how undergraduate students improved through a Content Based Instruction (CBI) course taught in English as a Foreign Language (EFL). Researchers focused on an elective course in microbiology called “Topics in Molecular Microbiology” for undergraduate students in a public university. Language faculty, English teachers from the School of Languages, and non language faculty, professors from the School of Microbiology, worked collaboratively in this content approach. Non language faculty taught the content component and language faculty taught the English component as suggested in the simulated adjunct model (Brinton & Jensen, 2002). This model entails the connection of a regular mainstream content course with an English as a Second Language (ESL) course. The language part supports and complements students’ learning of content.

This article is organized in five parts: one, the literature review; two, the context; three, the methodology and data collection and analysis; four, the findings. Finally, the conclusions, implications, and suggestions for further research are given.

Literature Review

In the adjunct model, Brinton and Jensen (2002) support the way students are enrolled in a course which is coordinated by two agents: content teachers and language teachers. The shared content base links the participants, and, teachers complement each other with mutually coordinated assignments. In this model, students work with content material which is given in a meaningful or contextualized form with the objective of acquiring information using a foreign or second language as a medium of communication. Then, the goal of this model is to integrate content and language parts leading to the use of cognitive skills. CBI is recognized as one of the ways to apply this model.

Grabe and Stoller (1997) support the different educational settings such as schools and universities in their use of CBI. Also, English for Specific Purposes (ESP) programs and a variety of second language (L2) vocational settings have used CBI as part of their language academic development. There are some common features that are involved in all settings i.e. teachers have to use explicit learning strategies or language awareness and have to activate background knowledge with this approach. Teachers also need to use authentic material and
have to discuss issues with the vocabulary and discourse of content. Moreover, teachers must be aligned with curriculum standards.

There are also different reasons that these academic settings adopt this approach. The first reason is that CBI in second and foreign language teaching helps students not only to acquire the subject matter of a specific area but also the language because they learn a language within the context of a specific academic subject leading to be beneficial (Wachs, 1996). In fact, Kasper (1994) carried out an empirical study in which the researcher involved mainstream psychology classes at a community college and ESL students in paired ESL reading classes. In paired classes students are enrolled not only in an ESL course but also in a mainstream content course (in this case psychology). Both content teachers and ESL teachers coordinate and work together to develop parallel materials and assignments. The results showed that the students in the paired classes scored significantly higher on the final reading assessment test than those who were only in the ESL reading class. In a follow-up study, Kasper (1997) took track of the same students and concentrated on their performance in reading and writing. The researcher showed that the students from paired classes scored higher on both reading and writing assessment tests. Another example that shows the effectiveness of CBI was carried out in a high school in Colombia. Chala and Pedraza (2003) found that students were interested in participating, their motivation increased, and they preferred working as a team when foreign language (FL) students followed this approach. Finally, another study that supports the benefits of CBI is one at the university level in Colombia. Monsalve, Montoya, Posada and Serna (2005) carried out a study at Universidad Pontificia Bolivariana and found that CBI offered scenarios in which content and language learning can be articulated positively in EFL classrooms.

Another reason is the integration of skills. When L2 students attend a content course they have to communicate their ideas in oral or written forms. Additionally, they have to read material and listen to their teacher and peers. The integration of language skills takes place when working with this approach (Oxford, 2001; Nunan, 2004).

The last reason is about motivation. Interest in the content of the course leads to intrinsic motivation (Crookes & Schmidt, 1991). Students who are highly motivated make greater mental elaborations with the topic which is presented in the materials, and they not only improve their connections but also recall information better.

**Context of the Study**

This university uses Spanish as the language of instruction in both graduate and undergraduate programs. There have been individual experiences in which some professors teach their course components and give talks or conduct workshops in English. As part of its vision, this institution cooperates academically with other universities in order to contribute to the professional development in different areas not
only in America but also on other continents and has been projected to being one the best universities in Latin America. To achieve this distinction, students have to show some proficiency in a foreign language in order to graduate. The university offers undergraduate students two ways to learn English: reading comprehension courses (2 levels of 80 hours each), which are mandatory, and the possibility of taking courses of integrated skills (5 levels, 80 hours each) at “Programa Multilingua”. Also, many undergraduate and graduate courses include mandatory papers in English. This is a regular practice in the programs from the hard sciences and health. On the other hand, students mainly develop their communicative competence required to speak, listen and write at Programa Multilingua. This is not mandatory and students who score high grades in their undergraduate programs can enroll in this program.

The directors of the School of Languages and the School of Microbiology agreed on offering an English course for undergraduate students in their academic fields after the reading courses or the Multilingua program. The objective was to give students the option to continue studying English. Then, both language faculty and non-language faculty decided to work collaboratively and designed the elective course called “Topics in Molecular Microbiology” which both faculties teach in English. The language faculty researchers designed a strategy for content professors that included a 20-hour framework for mentoring CBI teaching and language teaching strategies to be applied in the course. The following teaching methodologies were included in the class sessions: use of body language, group work, class management, strategies for confirmation, visual aids, realia, involvement of students, and background knowledge.

The course of four assigned class hours weekly lasted a total of 16 weeks. The course was programmed for two days, and each faculty worked a two-hour session. Based on the syllabus, the topics the content language faculty worked were DNA Structure and Isolation, PCR: Basic Principles, Nucleic Acid Labeling, Restriction Enzymes-DNA Cloning Strategies, and Recombinant Microorganisms.

On the other hand, the School of Languages was in charge of teaching the language part and prepared different activities for students. For instance, they had to write a paragraph developing a prompt or an abstract, they had to make and present a poster, and they had to give their points of views when they were asked to critique a situation. They also played games, listened to lectures and other listening material, and reported sequential events. Students received support from language teachers to accomplish those activities successfully.

**Students’ Selection**

An intermediate level of language was the criterion to take this course and students had to take a placement test for the selection. The research group designed and administered an
oral and a written test. In the oral part, the researchers used a storytelling book in order to assess students’ ability to express ideas, use vocabulary, evidence coherence and the understanding of questions. In the written part, researchers used a picture to assess students’ sentence structure, coherence and vocabulary. The students who scored at least 60 over 100 points in both instruments were accepted. Six students out of eleven obtained the scores. One of the students who did not succeed talked to the researchers asking for the opportunity to take the course. He was so motivated and committed that the researchers decided to give him a chance to be in the class. There were 3 women and 4 men whose ages ranged from 20 to 25 years, and they were in the last year of their undergraduate program. They were all members of research groups in their areas.

**Professors and Researchers**

Three professors from the non language faculty were in charge of designing and teaching the content part of the course (1 Post PhD, 2 MSs)- 2 women and 1 man. It is important to highlight the motivation, availability, willingness, and effort of these professors to design, program, and teach the topics of the content course in English. They were willing to participate because it was their first time teaching this course in English. On the other hand, two teachers from the language faculty were in charge of teaching the language part (1 graduate teacher, 1 pre-service teacher). The research group was composed of 11 members (1 PhD, 2 MAs, 5 graduate professors, and 3 pre-service teachers).

**Methodology**

The research question that guided our analysis for this particular course was: *What language improvement do students evidence after taking a CBI course?*

This study uses an interpretive case study as a research strategy (Cresswell, 2007; Merriam, 1998; Tellis, 1997; Yin, 1994). A case study is an empirical inquiry whose aim is to investigate a contemporary phenomenon within its real-life context. Yin (1994) argues that a case study may combine both quantitative and qualitative procedures but emphasizes the latter. Researchers followed the pre-experimental design. The objective of this design is to determine if the content course has any effect on language learning. In this process, an evaluation is administered at the beginning of the experiment; then, a treatment takes place with the group (in this case a pedagogical intervention using CBI); finally, the same evaluation is given after the treatment in order to prove the results (Hernández, Fernández & Baptista, 2003). It is worth noticing that this study favors the qualitative analysis and that the quantitative part aims at confirming findings. Dooley (2002) supports that research based on a case study is useful because it allows the researcher to analyze the phenomenon from multiple perspectives. The researchers chose
Data Collection

Data were collected using the following techniques:

Focus group. A focus group is a qualitative research technique in which a group of people are asked about their perceptions, opinions, beliefs and attitudes about an issue, in this case, about the course. In this focus group students talked about the strengths and weaknesses of the process of learning and about improving their level of English as well as about the advantages and disadvantages of the course. They also talked about their personal feelings and gave recommendations for future content courses. This technique (Debus, 1990; Palmer, 1994; Stewart & Shamdasani, 1990) helped researchers to learn of students’ experience in the content course they took in English at the end of the course. This meeting was audio recorded.

Class observations. Classroom observation is a technique that allows the researchers to assess classroom issues such as teaching, behaviors, and interactions (Brown, 1994). Researchers observed almost all the content and language sessions to assess the development of the CBI and to have a more general view of the students’ language improvement. Researchers designed an instrument to observe the sessions (see Appendix 1) and they took turns observing. They focused their observation on questions and answers, production of language, interaction between the teacher and students (among students, too), and group activities. Researchers tracked participation for each student and the observations were categorized and compared.

Storytelling. Researchers asked the students to tell the story presented in the pictures of an illustrated book. There was no time limit for narrating the story. The researchers recorded and transcribed the students’ narrative for further assessment. The aim of this instrument was to assess students’ oral language performance at the beginning and at the end of the course. Researchers followed the ACTFL guidelines (American Council of the Teaching of Foreign Languages). The scale in the ACTFL describes different levels of language proficiency for assessing speaking, writing, listening, and reading (Omaggio, 1993, p. 502). Researchers only used the scale for speaking for this technique. This scale offers a variety of levels in speaking: novice low, mid and high; intermediate low, mid and high; and advanced low, mid and high. This description is helpful in order to set language learning goals, communication functions, and assess language ability.

Picture description. This is a writing technique in which a person describes the ideas that are presented in a picture. This instrument was designed to assess students’ writing ability in English. Students wrote their composition based on a projected image (see Appendix 2). It
was a black and white image and there were no words on it. Students had 20 minutes to write the description.

**Standardized MELICET test.** The Michigan English Language Institute College Entrance Test (MELICET) is a test in which non-native speakers of English are tested under the same conditions. The test has three main parts: Listening, in which students are to answer 50 questions in 25 minutes. The second part is a combination of grammar, vocabulary, cloze, and reading; this section has 130 questions and test takers have 90 minutes to answer. The third part is an oral interview that takes from 10 to 15 minutes. The objective of this technique was to apply the pre-experimental design.

**Self-assessment.** Students ranked their English language skills based on a can-do scale adapted from Gardner (1985), which goes from 0 to 5. The equivalent in language performance is 0=bad, 1=poor, 2=fair, 3=good, 4=very good, 5=excellent. The students had to assess their performance in oral, listening and reading skills at the beginning and at the end of the course. The objective of this technique was to ask the students to self-verify the process of learning.

**Data Analysis**

Following the interpretive approach, researchers created categories based on their epistemological assumptions (Merriam, 1998). These categories were consequently modified to better reflect on the data collected. The data collected were analyzed quantitatively and qualitatively. The researchers scored the picture description and the story telling individually and based their analysis on the scales proposed by the ACTFL. Then, to guarantee reliability, they compared and tallied all the analyses in order to determine the final assessment of each student.

**Findings**

The analysis of each language skill supports students’ evidencing improvement after taking the CBI course in English.

**Speaking**

Data obtained from the storytelling, the self-assessment, the class observations, and the students’ perceptions given in the focus group session showed that students’ ability to speak English improved greatly. The MELICET interview did not show a general significant improvement among the students but it showed individual improvement in two students.

The researchers evaluated the storytelling task as follows: Six students participated in the first and second storytelling. One of the students took only the first oral description and
researchers did not take this student into account in the analysis. The results showed that one of the students went down a scale. Another student's language performance remained the same. Four of the students gained between one to four scales (see Table 1).

Table 1. Scales in storytelling

<table>
<thead>
<tr>
<th>Students</th>
<th>1st description (July 2005)</th>
<th>2nd description (Nov. 2005)</th>
<th>Gains</th>
</tr>
</thead>
<tbody>
<tr>
<td>Student 1</td>
<td>Novice mid</td>
<td>Novice high</td>
<td>gained 1 scale</td>
</tr>
<tr>
<td>Student 2</td>
<td>Novice mid</td>
<td>Novice low</td>
<td>went down 1 scale</td>
</tr>
<tr>
<td>Student 3</td>
<td>Intermediate high</td>
<td>Intermediate high</td>
<td>remains the same</td>
</tr>
<tr>
<td>Student 4</td>
<td>Novice mid</td>
<td>Novice high</td>
<td>gained 1 scale</td>
</tr>
<tr>
<td>Student 5</td>
<td>Novice mid</td>
<td>Intermediate high</td>
<td>gained 4 scales</td>
</tr>
<tr>
<td>Student 6</td>
<td>Novice mid</td>
<td>Intermediate mid</td>
<td>gained 3 scales</td>
</tr>
<tr>
<td>Student 7</td>
<td>Novice mid</td>
<td>did not take the second description</td>
<td>XXX</td>
</tr>
</tbody>
</table>

The general analysis revealed improvement in two areas: Students used more complete sentences in their descriptions and their precision of the language increased. Most of the students were able to express their ideas in a precise way. This is the result of the fact that students had to participate in conversations, had to present material to their colleagues, and had to give their points of view during the course. The oral exercises allowed them to have a great amount of output that they had not previously had in their classes.

As mentioned in the students’ selection part, researchers gave a student a chance to enroll in the course although he did not succeed in the placement test (student 5). Nevertheless, he gained four scales due to his motivation.

**Self-assessment analysis.** The average result of the first self-assessment speaking test in Figure 1 was 2.94, the standard deviation was 0.68.

The average result of the second test self-assessment speaking skill was 3.53, where the standard deviation is 0.71. The average percentage gain was 0.59% and the individual one was 21.38%. The difference between the results in both tests was significant since the value of the T-Student is 0.003 (<0.05). As a result, CBI had incident in speaking and this was supported
by the self-assessment instrument. Researchers also confirmed this when they transcribed the focus group. One of the students assessed himself in speaking and said:

…I had improved in speaking because it was a small group and I had more opportunities to speak. All of these gave us the chance to practice the oral language leading me to improvement (Student 3, focus group, December 12, 2005).

Also, the analysis of the class observation formats showed improvement in class participation, which was reflected in more elaborate questions and more complete sentences during the course. At the beginning of the course, students did not participate very often in oral activities but after a while they did participate in activities in which they had to give their points of view. Also, they had to solve a problem or react to an issue. They had to take turns telling ideas, too.

At the beginning researchers tracked in their observation formats that one of the students asked for clarification: “Teacher, repeat please”, and at the end of the course the same student asked for clarification in a more elaborate way: “Hey, teacher, it is quite complex and I do not understand that, can you repeat that again?” (Researcher 2, class observation, June 8 and November 13, 2005).

In short, the CBI approach helped students to improve their speaking of the language. As a result, the simulated adjunct model led the students to improve in the speaking skill.

**MELICET test - speaking.** The average result of the first interview in Figure 2 was 51.86, the standard deviation was 7.37.

The average result of the second “interview” test was 54.43, the standard deviation was 7.46, the average percentage gain was 2.57% and the individual one was 3.66%. The
difference between the results in both tests was not significant since the value of the T-Student was 0.14 (>0.05). Although the results in both tests were not significant, it is important to highlight that students 1 and 5 showed great improvement in speaking. Again, student 5 showed great improvement in the interview due to his motivation as he expressed himself in the focus group:

… eh, I felt I had improved in some skills, my main difficulty was speaking I think that I improved so much in that, right? (Student 5, focus group, December 12, 2005).

Listening

Data obtained from the self-assessment, the MELICET test, the class observations, and the students’ perceptions presented in the focus groups sessions showed that their ability to listen to English had improved.

**MELICET test - listening.** The average result of the first listening comprehension MELICET test in Figure 3 was 50.29, the standard deviation was 6.11; the average result of the second test was 52, the standard deviation was 7.46; the average percentage gain was 1.71% and the individual one was 2.36. The difference between the results in both tests was significant since the value of the T-Student was 0.032 (<0.05).

The average result of the first “self-assessment listening test” in Figure 4 was 2.40, the standard deviation was 0.95. The average result of the second “self-assessment listening test”
was 3.14, the standard deviation was 0.95. The average percentage gain was 0.74% and the individual one was 48.21%. The difference between the results in both tests was significant since the value of the T-Student was 0.004 (<0.05).

In the qualitative part, the analysis of the class observation formats showed improvement in listening, reflected also in more comprehension of listening material. At the beginning, some of them had some problems understanding the teacher’s talk but after interacting with the teacher, their listening improved. In the observation formats researchers tracked this issue: “Students constantly interrupted the teacher to clarify his speech”. As the course advanced,
researchers noticed that students lessened their interruptions of the teacher: “It is observed that students now pay more attention and do not interrupt quite often the teacher in order to clarify his speech, but to complement the topic.” (Researcher 4, class observation, September 7, 2005).

In the focus group, students also expressed that they had improved in listening; one of the students said:

…I think that the methodologies were good and at the end we noticed that we had improved listening and speaking... personally, I improved in the communicative skills in English. (Student 1, focus group, December 12, 2005).

All students attended the sessions and their listening to content lectures in English improved. Also, the development of the listening exercises in the language component allowed them to have a great amount of audio input that they had not had before in their classes. Finally, the results presented in the previous information validate that students improved considerably in listening.

**Writing**

Data obtained from picture description, the class observations, and the focus groups sessions showed that students had experienced some improvement writing in English.

**Picture description.** Researchers scored this instrument following the composition scoring scheme and sample grades proposed by Gaudiani (1981, cited by Omaggio, 1993). The scale goes from 0 to 4 and letters are also given as equivalent conversion proposed by the author (A=4, B=3, C=2, D=1, F=0). The results can be seen in Figure 5.

![Figure 5. Picture description.](image-url)
The average result of the first “picture description” test in Figure 5 was 2.5, the standard deviation was 0.77. The average result of the second test “picture description” was 2.8, the standard deviation was 0.85. The average percentage gain was 0.30% and the individual one was 12.02%. The difference between the results in both tests was significant since the value of the T-Student is 0.008 (<0.05).

In the qualitative analysis, researchers examined in a detailed way the students’ composition and found that students wrote clear ideas about the picture and gave details and reasons in support of the image. They also gave some points of view and created more stories and a new character especially, in the second description (see Appendix 2 for comparison).

Also, researchers took some samples of prompts and analyzed them. Gains in vocabulary use and variety, longer and more accurate sentences were evident in the analysis of the prompts (see Appendix 3).

In the focus group, students also expressed their having improved in writing; one of them said:

… I liked the activities with prompts because it helps you develop your writing. (Student 6, focus group, December 12, 2005).

The improvement was the result of the practice in writing introduced in the language component. Students were asked to write short essays using some prompts. Before the CBI experience, they had barely written a composition in English. Additionally, in the language component, they were trained to write abstracts in their field. As a result, CBI instruction helped students to improve in writing.

**Reading**

Data obtained from the MELICET test, and the self-assessment showed that students did not experience significant improvement in reading in English; the results can be seen in Figure 6.

The average result of the first “grammar, cloze vocabulary & reading test” in Figure 6 was 46.29, the standard deviation was 10.64; the average result of the second MELICET test was of 49.71, the standard deviation was 10.06; the average of percentage gain was 3.43%, and the individual one was 5.81%. The difference between the results in both tests was not significant since the value of the T-Student was 0.15 (>0, 05).

One of the possible reasons that supports this lack of improvement in reading is the fact that students in Health Sciences and the hard sciences at this public university are very familiar with scientific literature in English. In the specific case of this group of students, all of them belong to research groups where contact with English readings in their area is not only
frequent, but mandatory. As students usually read materials in their fields, there was not much evidence of improvement in this skill.

The average result of the first “self-assessment reading test” in Figure 7 was 3.31, the standard deviation was 0.61. The average result of the second “self-assessment reading test” was 3.89, the standard deviation was 0.56. The average percentage gain was 0.57% and the individual one was 19.8%. The difference between the results in both tests was not significant since the value of the T-Student is 0.054 (>0.05).

Figure 6. Grammar, cloze, vocabulary and reading

Figure 7. Self-assessment reading
General Results in MELICET Test

Figure 8 shows that for students who took the test, the average general score of the first MELICET test was 67/100 points (sd 7.04). The average general score of the second MELICET test was 72.4 (sd 8.08). The average percentage gain for all students was 3.2% and the individual one was 4.62%. The difference between the results in both tests was significant since the value of the T-Student is 0.00537 (<0.05). It means that the CBI approach had a positive influence in the scores obtained by the students in the MELICET test for the measured skills as the analysis of the significance is below the accepted error (95% or 0.05%).

As a conclusion, the integration of language and content had a positive effect on students because they improved in language skills, especially in speaking and listening which is validated by the six data collection techniques.

Conclusions and Pedagogical Implications

CBI was useful because it helped undergraduate students improve their language (L2). The course *Topics in Molecular Microbiology* benefited EFL university students in that their level of language in speaking and listening improved significantly and this is validated not only by the qualitative analysis but also the quantitative one.

The focus group, the class observations and the self-assessment instruments support qualitatively that students improved in language. Vocabulary use and variety, longer and more accurate sentences, and participation in class discussions are the most important aspects regarding speaking. In the listening part, students improved because it was evident they had...
some problems understanding the teacher’s talk at the beginning of the course, but after interacting with the teacher, their listening part improved. The general structure of the instruments analyzed (Focus group, class observations, storytelling, picture description, self-assessment, and standardized MELICET test) validated average percentage gain as well as individual gains.

Finally, there are two implications in this study that need to be addressed: Based on the improvement in listening and speaking obtained by the undergraduate students who participated in the project, we feel universities in Colombia should promote more courses based on CBI because they represent a great gain for the development of their EFL students’ linguistic skills. Also, this methodology helps the learner to use the language to fulfill a real purpose in his/her area of study.

The second implication requires both EFL language teachers and content teachers to integrate themselves through collaborative work in order to give students the option to learn content through the English language. When using CBI, teachers should take into account the following issues (Met, 1999):

- Make sure that students learn the content of the course as well as the language part
- Give students the elements for the discourse styles and language tools for their fields
- Enhance language learning by selecting motivating topics
- Also, enhance language learning by providing meaningful language practice opportunities by using different topics

**Suggestions for Further Research**

Researchers supported students’ improvement mainly in listening and speaking and suggest that language teachers should develop different reading and writing activities in order to analyze the improvement in each skill. Also, faculties should program more CBI courses during each academic semester and monitor the impact at the end of the program. Finally, researchers suggest that CBI courses should be applied to different academic areas such as human sciences in order to see its impact.

**References**


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Appendix 1

**Proyecto: Enseñanza de inglés basada en contenidos**
*(Content-based teaching)* en los pregrados de la Universidad

Observación N°____

Profesor: ___________________ N° de estudiantes: ___________________
Curso: ___________________
Fecha: ___________ aula: ___ hora: ___________
Observador: ___________________

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<th>Aula</th>
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<td></td>
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</tr>
<tr>
<td>Tiempo</td>
<td>Actividades, Actitudes, Interacciones</td>
<td>Comentarios y preguntas</td>
</tr>
<tr>
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University Students’ English Language Improvements through a Content-Based Course

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Appendix 2

UNDER THE RUG
Two weeks passed and it happened again.

Chris van Allsburg, "Under the Rug"

In the evening, a old man take a chair and
talk on arrival in your living room.
The man is little hair, the use eyeglasses.
In the livingroom there are a table with a lamp time
pictures, and an armchair comfortable.
He is dressed with pants, shoes, and coat.
He is looking the animal under the floor.
The animal has been jumped in the room,
jumping on the Cece to the representation, such as mice,
mouse, hamster, sugar, and seeds.
Before the man was watching in the television, the news.
And their were, were in the supermarket.
They have eighteen years in married, and have two
children.
Today, was a strong day for the man get to very
asthmaful, has a difficult to breath.
Finally, we doctors the animal, to a vet. He call to the
veterinarian animals organization for help. And going to the vet
at eleven o'clock.

June 3, 2008
University Students’ English Language Improvements through a Content-Based Course

In this exercise, you will look at a picture and make a description stating what you see. You have 20 minutes to do so.

In the picture, we see an old man, a woman, and a girl in a park. The old man is sitting on a bench, reading a newspaper. The woman is standing next to him, holding a book. The girl is playing with a dog.

Today, we will analyze how language development is affected by different contexts. We will focus on the role of content-based instruction in fostering language skills.

The content-based approach emphasizes the integration of language learning with content knowledge. In this context, we can see how the use of real-life scenarios can enhance students’ understanding and motivation. By connecting language learning with meaningful and relevant content, students are more likely to retain information and apply it in real-world situations.

In conclusion, the content-based approach provides a promising framework for improving students’ English language skills. Through the integration of content and language development, educators can create dynamic and engaging learning environments that cater to diverse student needs.

References:


Appendix 3

Topics In Molecular Microbiology

June 16, 2005

Student’s name: [Redacted] ID: [Redacted]

Dear student,

One of the purposes of this course is to help you improve your ability to write in English. Every session we will invite you to express freely some thoughts, feelings or comments. Today, we would like you to state some ideas based on this prompt:

College taught me...

Colleg in taught me a lot of things not only in an academic way but in a personal way too. Apart from the academic responsibilities, the pressure and another analysis I learned the importance of make good friends. But I’ve known many people who give me support when I needed it. People who give me their hand in difficult moments in my life, and people that shared with me great moments outside college.

I find friends who have new points of view about different topics and I learn new things. They teach me something for me, about life, family, faith, God, philosophy and other things. We spent all college time much time, and in all this time we shared with many people that gave me a different living in my life.

In conclusion:

September 8, 2005

Student’s Name: [Redacted] ID: [Redacted]

Dear student,

One of the purposes of this course is to help you improve your ability to write in English. Every session we will invite you to express freely some thoughts, feelings or comments. Today, we would like you to state some ideas based on this prompt:

How do you prepare the assignments for every session and what else do you do to improve your English language skills?

I prepare the readings on college because I have more free time. I actually make a complete reading of the whole, even if I do know the meanings of many words or concepts discussed on the paper.

First, I begin again reading each part slowly, and I try to give sense to the words. If I don’t understand the idea of the sequence in how to do it, I look for information on internet or books. Then, I write some ideas and comments and make a mental map of the institution, materials and methods discussed and conclusions.

Finally, when I had understood the article, I make the slides for presentation with the basic concepts and points in front of the complete what I going to say during class.

For improve my English skills I try to watch TV in English without subtitles and making an effort to understand what the people on TV say. At the beginning was difficult because they talk faster and make unions with some words but with the time, I think I listen better. I also try to read books about different topics, specially novels.