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## Strategies Adopted by Esp Students to Perform Oral Presentations Through Videos

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### **ABSTRACT**

This work aims at identifying the strategies that generate major differentiation in use among students enrolled in Technical English I and Technical English II, before, during, and after the development of video-based oral presentations. Sixty-nine students took part in the study. They recorded one video per week for over ten weeks. Those students who had recorded at least seven videos were considered for the study. The participants completed a questionnaire that was composed of forty-six Likert Scale items indicating strategies that students could apply before (24 items), during (14 items), and after (8) the recording of the videos. In the questionnaire, students reported the frequency with which they used those strategies. The data was analyzed by conducting an analysis of variance. The results show that the strategies for the recording of videos with significant differentiation in the population under study are the following. Before: the elaboration of storyboards, detailed review of the content, content rehearsal, memorization, and pronunciation of words practice. During: utilization of examples to illustrate ideas, use of mother tongue, repetition strategies, circumlocution, and recording the presentation several times. After: Comparison of their performance in the videos with their performance in previous videos. Students enrolled in Technical English I used more strategies than the ones enrolled in Technical English II. Keywords: ESP students, videos, strategies, self-regulation, oral presentations.

## INTRODUCTION

The most difficult skill to master in a foreign language context is the speaking ability due to the lack of exposure that English as a Foreign Language (EFL) students have to a fluent English speaking setting (Allen, 2016; Sarwar, Alam, Hussain, Shah, & Jabeen, 2014). No matter what a wonderful learning environment a teacher creates in their EFL class, whenever students listen to the word: Speaking, they panic. Their anxiety levels rise and they start to hesitate about their abilities (Fahim, 2016). Due to this fact, instructors seek different strategies to enhance students' speaking skills, among the most commonly used ones are video-making and small group projects. Besides improving learners' speaking skills, these activities help teachers reduce learners' stress level since they have an opportunity to practice several times before presenting an oral assessment (Nazhnur, 2016).

Similarly, language learners use different strategies for the development of activities assigned by their teachers or when they are learning the language by themselves. The application of such strategies can be done consciously or unconsciously. For the purpose of this study, the authors have classified the strategies reported in existing literature into two main categories: Speaking strategies used before, during and after the development of oral activities and summarizing and analyzing content strategies.

### Speaking strategies

Regarding speaking skills, there have been plenty of studies (Gallagher-Brett, 2007; Zhang & Goh, 2006; Allen, 2016; Fahim, 2016; Nazhnur, 2016) that analyze the strategies selected by students to improve this ability. For instance, it has been reported the use of the following strategies *before* the performance of speaking activities: 1) write prompts as a guide, 2) double check their pronunciation, 3) ask for the help of more knowledgeable people, for example, their family, friends or teacher. 4) say words out aloud before a presentation, 5) imitate spoken materials, 6) spend time working on grammar, 7) speak aloud, 8) speak in their heads, 9) read or watch videos 10) use mind maps as a preparation for their speaking performance, 11) rehearse, 12) repeat, 13) ask questions, 14) draft, 15) use video recordings, and 16) memorize.

The studies conducted by Zhang and Goh (2006), Nazhnur (2016), Yen, Hou, & Chang (2013), Fahim (2016), Karbalaei and Taji (2014), Salehi, Ebrahimi, Sattar & Shojaee (2015), and Rabab'ah (2013) show evidence of the following speaking strategies used by success-oriented students *during* speaking activities: 1) mentally correct verbal errors, 2) pay attention to their grammar, 3) use words with similar meanings in English, 4) use of examples to explain an idea, 5) read from a script, 6) watch themselves speaking English, 7) peer-to-peer correction to enhance their pronunciation and word choice, 8) self-monitoring, 9) switch to the mother tongue, 10) use mimes or gestures, 11) use a circumlocution -an indirect way of saying something, 12) coin words by participants adjusting or approximating the message, 13) word reduction, 14) use of definitions to describe an unknown word, 15) pronunciation awareness, 16) self-repair, and 17) repetition strategies.

In regard to strategies applied *after* students' speaking activities, research indicates that EFL students apply a few strategies. Findings in Fahim (2016) and Yen, et al. (2013) suggest the use of the following strategies in this stage: 1) compare their first and last performance, 2) learn from their mistakes, 3) self-evaluate, and 4) reflect on their speaking experience.

To exemplify the use of strategies for the development of oral performance in language learners in depth, we cite Rabab'ah (2013) and Yen, et al.'s (2013) works. Rabab'ah's (2013) found self-repair and repetition strategies in the oral discourse of German and Jordanian EFL learners who had to retell a story after reading it for an hour. Students used repetition as a resource to obtain a bit more time while retrieving a specific word to carry on with their stories. The participants also applied self-repair strategies when they realized they had made a mistake by adopting a different manner to explain their ideas, yet they were not always successful due to the lack of linguistic resources.

Yen, et al. (2013), on their hand, conducted a study with 42 university students from Taiwan attending to an English conversation course. These learners did a role-play task using Skype where they had to create a business scenario. The procedure was divided into 3 stages: the teacher preparing students for their role-play; practicing the conversation in class small groups; and, a Skype session between classmates performing the activity (role-play). As part of the qualitative results, the researchers noticed the existence of a common theme: peer-to-peer correction. The students helped each other by correcting the pronunciation or eliciting a missing word in their discourse. As a consequence, students learned from their mistakes and helped others notice theirs. The overall result showed this strategy as a meaningful experience that was also supported by the quantitative data which showed a significant improvement in the reduction of speaking errors from the pre-stage to the post-stage.

### **Summarizing and analyzing content strategies**

After reviewing the strategies used by EFL students before, during and after their speaking performance, it is important to present their approaches regarding summarizing and analyzing content. Throughout the analysis of the literature, the following strategies emerged from the research works conducted by Gallagher-Brett (2007), Grünewald, Yang, and Meinel (2013), Marzuki, Prayogo, and Wahyudi (2016): 1) Students go back to their book annotations, but also other media formats, like images, or even links; 2) they interpret, weight and reflect on the content; 3) they participate in discussions and forums; 4) they ask referential questions; 5) explain their reasons and or ideas; 6) answer their friends' questions, and 7) help or ask for help from each other.

The aforementioned sections include a list of commonly used strategies reported by students and registered by researchers in the field when developing speaking activities. In this work, we intend to identify which strategies generated major differentiation in use among students enrolled in two ESP courses (Technical English I and Technical English II), before, during, and after the development of weekly video-based oral presentations. Specifically, the study intends to discover which strategies were significantly preferred inside each group of learners and which learners, whether those enrolled Technical English I or the ones enrolled in Technical English II, used more strategies for the accomplishment of the speaking task assigned week after week.

## **METHODOLOGY**

### **Setting, Participants, and intervention process**

The study was conducted at a public university in Ecuador, during the first academic semester (May-September) of the 2017-2018 school year. The participants of the study were 69 out of 94 students enrolled in the Technical English I (42 students) and Technical English II (27 students) courses offered in the Business Management major. 40 were female and 29 were male. The participants' average age was 22.10, ranging from 20 to 30 years old. The students participated in the study voluntarily.

The participants developed one video per week for over ten weeks, between May and part of July 2017. In the videos, which were the outcome of their autonomous work, the participants recorded themselves performing an oral presentation of the content they studied in class in the previous week. The content of the video-based oral presentations consisted of the description of key concepts studied in class. Students who had developed at least seven videos up to when the data was collected we asked to volunteer for the study. This was the first time that both groups of learners developed this task.

### **Data collection period, Instrument, and analysis procedure**

Data were collected between the last week of July and the first week of August 2017. A structured questionnaire was developed to identify the strategies that generated major differentiation in use among the participants of the study, before, during, and after the recording of the video-based oral presentations. The questionnaire was composed of items that asked about participants' age and gender and three Likert scales (see Tables 1, 2, and 3).

The three Likert scales contained items that required participants to indicate how often (*always, sometimes, rarely, or never*) they applied a set of strategies of self-regulatory nature before (24 strategies), during (14 strategies), and after (8 strategies) the recording of their video-based oral presentations. The participants completed the questionnaire via Google forms. Three external researchers validated the instrument. They revised it and reported the effectiveness of each item. Items were removed or restated, depending on the suggestions of the experts. The data were analyzed by conducting an Analysis of Variance using the IBM statistical software SPSS 22.0.

### Ethical considerations

Informed consent was taken from the participants to assure the compliance with ethical protocols. Anonymity of participants' identity was guaranteed by having students complete the instruments without including their names on them.

**Table 1: Pre-video recording strategies**

N	To do the oral presentations through the videos:	Always	Sometimes	Rarely	Never
1	I pay attention to the way my teacher or other good speakers of English express themselves.				
2	I take notes about what is being explained in class.				
3	I make sure that my notes are clear and correct.				
4	I question my teacher about the material presented in class.				
5	I identify key ideas of the content studied in class.				
6	I review the content studied in class meticulously.				
7	I investigate about the topics studied in class in sources other than the ones provided in class.				
8	I organize the ideas of the content I am going to explain in the videos.				
9	I create a storyboard (outline in pictures) of my presentation.				
10	I ask for the help of more knowledgeable people (peers, family, friends, teacher, etc.) to organize the material/content of my presentation.				
11	I do a benchmark of what I am going to present with other classmates.				
12	I present a draft of what I am going to present to the teacher before recording my video presentation.				
13	I write scripts about what I am going to say in the video directly in English.				
14	I write scripts about what I am going to say in the video in Spanish and then translate them into English.				
15	I plan my performance in the video.				

- 16 I rehearse what I am going to explain in the presentation.
- 17 I memorize part of what I am going to say in the video.
- 18 I memorize everything I am going to say in the video.
- 19 I practice the pronunciation of words.
- 20 I double check the pronunciation of words.
- 21 I ask more knowledgeable peers to evaluate my presentation before I record it.
- 22 I simulate presentations to control timing.
- 23 I run simulation presentations to evaluate my speech and the clarity on my subject.
- 24 I make changes based on the simulated presentations.

**Table 2. During-video recording strategies**

N	While I video record the oral presentations:	Always	Sometimes	Rarely	Never
1	I mentally correct grammar, vocabulary, or pronunciation errors.				
2	I monitor (ask myself whether what I am doing is correct or not, whether it makes sense or not, whether I am reaching the objective of my presentation, whether I need to change something) the progress of my presentation.				
3	I have other people to monitor my presentation.				
4	I use examples to illustrate my ideas.				
5	I use definitions to describe words.				
6	I use mimes and gestures to make myself clear.				
7	I use self-repair to make ideas clear.				
8	I read from a script.				
9	I use synonyms when I forget some words.				
10	I switch to my mother tongue when I forget something.				
11	I improvise when I forget certain ideas.				
12	I use repetition strategies when I forget something.				
13	I use circumlocution to explain things.				
14	I record my presentation several times until I feel it is				

ready.

**Table 3. Post-video recording strategies**

N	After I video record the oral presentations:	Always	Sometimes	Rarely	Never
1	I self-evaluate my presentations.				
2	I have more knowledgeable people (peers, friends, family, etc.) to evaluate my performance in the presentations.				
3	I list the pronunciation mistakes I have made in the videos.				
4	I list the vocabulary mistakes I have made in the videos.				
5	I list the grammar mistakes I have made in the videos.				
6	I compare my performance in the videos with my performance in previous videos.				
7	I compare my performance in my videos with the performance of my peers in their videos.				
8	I reflect on my speaking experience through the video presentations.				

## RESULTS

We performed an analysis of variance to a set of forty-six self-regulatory strategies that students used before, during, and after the production of their video-based oral presentations. The ANOVA enabled the identification of those strategies that produced a significant difference for the two groups of participants as reported in the F values and Degree of Significance for each group of strategies (see Tables 4, 5, and 6).

**Table 4. ANOVA of pre-video recording strategies**

Groups	Strategies	Sum of squares	df	Mean square	F	Sig.
Technical English I	Reviewing the content studied in class meticulously.	6,117	6	1,019	3,404	,010
	Rehearsing what is going to be explained in the presentation.	2,792	6	,465	2,483	,043
	Memorizing of part of what is going to be said in the video.	9,500	6	1,583	3,507	,009
	Practicing the pronunciation of words.	4,950	6	,825	2,486	,043
Technical English II	Creating of a storyboard (outline in pictures) of the presentation.	11,744	5	2,349	2,915	,038

From the set of twenty-four pre-video recording strategies, we could identify that the strategies that caused higher differentiation in the learners enrolled in Technical English I are associated with the detailed revision of the content that students learned in class; rehearsal of what is going to be explained in the video; memorization of certain parts that will be discussed; and, practice the correct way to say words. On the other hand, the responses of students enrolled in Technical English II showed an important tendency of this group towards the creation of storyboards (outline in pictures) of their presentations before developing their task.

We can clearly see that students enrolled in the beginning course (Technical English I) required more preparation prior to producing the task, therefore, resorting to more self-regulation strategies; this confirms the findings of Gallagher-Brett (2007) and Zhang & Goh (2006). The need for more strategies is acceptable as students have a low command of the language, implying that they need more practice before their final outcome is produced, and even requiring memorization. On the contrary, students with a higher command of English used fewer strategies (one in this case). This is in tune with Griffiths' (2003) findings, who determined that New Zealand language learners with a low proficiency level used more social, cognitive, compensation, and metacognitive learning strategies than those learners who held a higher English proficiency level. A possible explanation for this event can be the learners' level of confidence in regards to their English knowledge, command of the content, and capability to do the task.

**Table 5. ANOVA of during-video recording strategies**

Groups	Strategies	Sum of squares	df	Mean square	F	Sig.
Technical English I	Recording the presentation several times until feeling it is ready.	9,292	6	1,549	2,735	,029
	Using examples to illustrate ideas.	7,467	5	1,493	2,977	,035
Technical English II	Reading from a script.	19,467	5	3,893	7,300	,000
	Switching to one's mother tongue when something is forgotten.	8,374	5	1,675	3,800	,013
	Using repetition strategies when something is forgotten.	8,207	5	1,641	2,611	,055
	Using circumlocution to explain things.	8,411	5	1,682	3,684	,015

Regarding the strategies used by the learners during the recording of their video-based oral presentations, we found that out of the fourteen self-regulation strategies selected for this study, recording the presentation several times until feeling it is ready is the strategy that caused a significant differentiation in students enrolled in Technical English I. We believe that students have a high inclination towards this strategy due to their English proficiency level. Since they have a poor knowledge of English, they need more time to develop the task appropriately and the tiniest mistakes or knowledge gaps can cause them to repeat it. Another possible explanation for this finding could be, as reported by Zhang & Goh (2006), student lack of knowledge about how to use strategies in this phase.

Using examples to illustrate ideas; reading from a script; switching to their mother tongue and using repetition strategies when they forget something, and using circumlocution to explain things are the strategies that according to the statistical analysis of the students' responses generated a significant differentiation in students enrolled in the Technical English II course. Conversely to the results reported for this group of students in the pre-video recording strategies, in this stage of the development of the task we notice that students use a higher number of strategies. Again, we attribute part of this outcome to the English proficiency knowledge of students. Due to they have more command of the language, they have more linguistic resources to illustrate or explain their ideas. In this case, we see students' recurrence in use of supporting materials (scripts) which is certain sense is negative. It denotes students need for pre-video recording strategies more consistently.

**Table 6. ANOVA of post-video recording strategies**

Groups	Strategies	Sum of squares	df	Mean square	F	Sig.
Technical English I	Comparing one's performance in the videos with his/her performance in previous videos.	15,008	6	2,501	2,952	,020

Similar to Fahim (2016) and Yen, et al.'s (2013) findings, after the development of their tasks, language learners who participated in this study showed the fewer use of self-regulation strategies. However, as seen in Table 6, the responses of learners enrolled in the Technical English course indicated a high level of significance in regards to the comparison of their performance in the videos with their performance in previous videos. We believe that this group of students tend to compare their performance as they need to self-evaluate their outcomes to develop the task appropriately. Their need for comparing their production is closely connected to the tendency of this group to recording their presentations several times until feeling they are ready, which was reported as a highly significant strategy during the recording of their video-based oral presentations. The responses of students enrolled in the Technical English II course showed no relevant differentiation in the strategies evaluated.

## CONCLUSIONS

The purpose of this study was to identify the strategies that generated major differentiation in use among students enrolled in Technical English I and Technical English II, before, during, and after the development of video-based oral presentations. The results of the study bring us to conclude that the strategies that generated major differentiation in use in both groups of language learners depend on their command of the learners.

Students with a higher level of English (Technical English II) strive less to prepare for the oral presentations. But, they apply more strategies while recording the video. This result illustrates that students feel more confident to perform the oral presentations, therefore, they mainly create storyboards to follow their presentations. On the opposite, students with a lower level of English (Technical English I) struggle more to prepare for the oral presentations. Their English level forces them to do more things (apply more self-regulated strategies) to perform well in the task.

Regarding the strategies applied during the recording of the videos, low proficiency level learners take more time to submit their final product as they repeat their videos many times. This, in turn, prompts these learners to develop a sense of self-evaluation as they feel the need to compare the progression of their performance in their own videos. Foreign language teachers should consider these findings in order to support the learning process of their students. They should also reflect upon whether learners do not use certain learning strategies with high concurrence due to their lack of knowledge about how to use them or not. If the answer is yes, then they should seek for ways to teach students to use those strategies, therefore, inducing them to take ownership of their learning process and become autonomous learners.

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