

멀티미디어 프레젠테이션을 통한 영어 학습과정 연구

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요약

영어 수업에 있어서 멀티미디어 프레젠테이션을 만들어가는 것을 통하여 영어를 배우는 창조적 기술을 시도하는 학습 환경이 매우 중요하다. 영어를 학교 밖에서 사용할 기회가 없는 학생들에게 이러한 방법은 수업의 목표와 적합한 연습을 가능하게 하고 또한 개인의 수준에 맞는 관계를 형성하도록 해준다.

언어는 문장의 구조와 품사, 시제 등을 포함하고 있기 때문에 더욱 외국어 습득에 있어서 문법을 학습하는 것은 매우 중요하다. 이 연구의 목적은 멀티미디어 프레젠테이션이나 파워포인트 프레젠테이션을 이용하여 영어 문법을 학습할 때 제2 외국어로서 영어를 공부하는 학생들을 위하여 효과적인 영어 문법을 가르치기 위하여 멀티미디어 프레젠테이션을 이용한 새로운 영어 교육 방법을 개발하고자 한다.

키워드: 멀티미디어 프레젠테이션, 파워포인트, 기술, 매체, 영어 문법

An innovative Approach to Teaching-learning Process through Multimedia Presentation

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Abstract

Useful It is very crucial to establish the learning environment with a creative technology for those who are going to learn English in terms of multimedia presentation. This kind of technologies make it possible for students to practice English suitable with their level and compatible with lesson plan.

English grammar plays a leading role to study English as a second language for the language is required to master the structure, part of speech, and tense. The purpose of this study is to explore the a innovative English teaching and learning approach based on the multimedia presentation to teach English grammar with an effect for those students are studying English, when they are learning English grammar with power point or complex multimedia presentation.

Key words: English grammar, power point, multimedia presentation, media, technology

1. Introduction

The traditional education by inductive, deductive reasoning may be said to be incomplete in that it has to face a lot of problems as shown in many researches.[9]

It is so natural that the students can not be interested in the passive education to learn English Grammar. It is the time to diagnose the traditional problems and reilluminate a new and innovative English education in terms of multimedia presentation and power

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presentation,

The purpose of this study is to explore a innovative English education method by using of multimedia presentation to teach students studying English as a second foreign language.

First aim of this study is to propose the power study presentation to teach a noun in English grammar for the students studying English. Second is to suggest the efficiency of the study method by means of power presentation to study a noun comparing the traditional English method.

Third is to prove how much the method of English study by multimedia presentation may affect on the achievement and improvement of the English study of students.

2. Application of complex media

2.1 Multimedia presentation

Presentation can be very effective as it includes more than one media such as text, graphics, audio and video. The point is that is is requested to know how to utilize the features offered with software to make the presentation effective.

Once computer and mobile devices, projector, white board for interactive activities are introduced to the class, then a teacher may use various multimedia resources in class.

The students are able to make comic works in class by using the multimedia, to write a digital story and even to make podcasts.[1]

Category	Applications	
Digital Medium	Episodic Series: audio, video, PDF	ePub files
	Video podcasts: Web television, video clips	
Enhanced Podcasts	hyperlinks	
Podcast Novels	audiobook	

<Table 1> List of Podcast applications

Though it may be difficult to make new and innovative lesson plan different from the traditional ways at the beginning, but it can lead the students to draw the creative approach of the students and to have the projects for various class activities.[7]

Video project enhance the abilities for the students to plan, communicate and analyze the aim of the study and their activities.

A successful video project has to take the process of recording, editing, and publication. Webcam, mobile camera, digital recorder and editing tools can be the best resources of multimedia to make the class maximized for the English writing and the effect of the lesson through the effective image.

Category	Contents
Content Forms	Text, audio, still image, animation
	Video footage, interactivity
Software	Hypermedia, Authorware
Authoring Tool	Tool book, Director, Hyper card,
Multimedia Player	Media player, XINGMEG MPEG Player, Real Player

<Table 2> Multimedia resources

Though it is easy to find power point, keynote, and presentation in the web for they are easy to design, but these tools may be inefficient for the class due to the excessive

utilization of text and slides at the power point presentation.[2]

Category	Contents
Information content	graphics, audio, text
	animation, video, interactivity
Web page with text and animation	Flash pages
Others	DVD authoring tools, Macromedia Flash

<Table 3> Multimedia Tools

Storytelling enables students to speak through voice recognition, text, image, audio and video by combining the traditional education ways with several technology. Podcast is the typical audio file which is possible to download and listen. People use the podcast to share the idea, presentation or music. Podcast is referred to audio plug with the link of plug.[4]

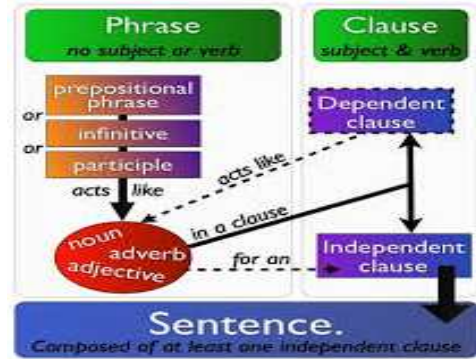
Animation helps to develop the technology of analytic and critical thought as a most desirable field of innovative research area. This enables to provide students with the creative possibility for the study and various expression by decoding the meaning, aim and way of talking.

2.2 ESL Multimedia Presentation

Students do not attend the class as a originator making something innovative, but just attend the class as an observer even though they are using the multimedia.[5]

The simple example can be illustrated to make microsoft powerpoint presentation. The specific contents can be used of the different site which is linked to each other.[6]

Once the presentation is linked to the personal page of each student, he or she may write the name, friends, family, the hobby and the location to live at the page of presentation.



(Figure 1) Sentence Layout

Students may add the contents of a sentence of " I like baseball" by selecting the layout of each personal page. In addition, at the page of presentation with the topic named family, the information of a sentence can be inserted such as one "I have a brother. He is an engineer".

The simple example can be illustrated to make microsoft powerpoint.

Layout	Topic	Link
Contents	Family	Personal Page
Creative Story	Hobby	Add to main page
Group Activities	Debate	Free Talk

<Table 4> Composition Presentation

These ways of presentation is one of the activities which students can do during the writing class. The another example is to make students write a story which does not have any restriction by dividing the students into four groups. After a certain time has passed, a student is forced to keep writing the story with the link of the presentation which was written by oneself. Later they are encouraged to read the stories completed.

A teacher can make a student practice of reading at home after recording the contents of a book. A student may study with interest for he distinguishes his voice, which can be a

differentiated lesson method.[10]

After a student is asked to write words and to draw the related picture which were taught during the English class. These can be added to the presentation with a short writing explaining the scanned picture. The test question bank can be composed for the practice of English grammar and vocabulary. Whenever students add each content to presentation every 2 weeks, a teacher add the added presentation to the bank of test question. The simple direction is described on the pictures of the students in English, which can make the presentation characterized by individual.

3. The test of multimedia study

3.1 Multimedia English study

The innovative utilization of multimedia in English education and study process may provide the instant feedback with the attitude and process of a learner. This study is to suggest the significance and the propriety of multimedia application in English study.

There have been a number of education systems which could be used by language linguistic scholar who are teaching English. The method of study by means of multimedia in foreign language like English cause many students to have interesting.



(Figure 2) Complex Presentation

The advantage of this kind of education method by information communication technology has a great significance in that this may suggest innovative education alternative comparing any other teaching and learning method.

The grammar plays a crucial role for the English study and education. This gives a learner a lot of help and leads a teacher to teach foreign language with ease. When learners reach to the level of composition which needs to combine the several factors, they may usually face some difficulty. Grammar can be said to be a system which explain the structure of a sentence and regulate the empirical regulation.[8]

It is the multimedia presentation that is the alternative of the traditional English study based on the information communication technology which makes it possible to reach to several complex level. The most convenient and general way can be powerpoint presentation. By using of this kind study tools, students may be educated of the component of English grammar which includes the complicated concept and structure.

3.2 The test of controlled group

This is to investigate the effect of study with multimedia presentation by dividing the pre-test and post-test of target and controlled groups.

Group	Pre-test
Control group	Traditional way
Target group	Powerpoint

<Table 5> The pre-test of control and target group

The sample is homogeneously divided into the controlled and target group. The controlled group is to study English grammar by traditional ways, while the target group is to study with the multimedia education method.

The scores of pre-test and post-test are calculated and the difference in both groups is the subject of this research.

The subject of this sample is composed of 60 students in Choongnam area and the proportion of the number of male and female students is the same.

The following tools are used to collect the related data.

Tools	Contents
Power Point Presentation	Animation related to English Noun
Test Questionnaire	Pre-test and post-test to test the achievement of study
Statistics	't' test

<Table 6> The tools of test

Two different education ways are randomly applied to the control and target group after pre-test.

4. The application and analysis of presentation

One group is to study English grammar by virtue of multimedia presentation, and the other is to study English by means of the traditional education. The data for the students learning English grammar is processed during the pre-test and pro-test and the collected data is analyzed with the various statistic analysis.

4.1 Group Test

The pre-test was performed in both groups after an experimental discussion was made. The exercises related to the noun in English grammar were given through the multimedia presentation and the controlled group is to study by virtue of the traditional education

way.

The two group of control and target was to have post-test just after those studies and the collected data was processed with statistic analysis.

The pre-test and post-test mean the value of 't' and the score for the target group as <Table 7>.

Target group	Average	SD	t value
Pre-test	17.1	3.03	3.27*
Post-test	21.5	3.20	

* 0.05 level valid

<Table 7> Target Group T Value

<Table 7> means the value of 't' which is the value of 1.05 level. The average score of post-test of target group is higher than that of pre-test. The value of 't', which is 3.27 is the valid one at the level of 0.05.

Here the big difference between pre-test and post-test of the target group is found in the noun study. The average value of post-test is higher than that of pre-test, which proves that the education of grammar of a noun by virtue of powerpoint presentation is more effective than that of the traditional learning study in class.

4.2 The result and effect of study

When considering the average score between two groups, the average of target group is higher than that of the control group. This leads us to make a conclusion that the study method by means of multimedia powerpoint presentation is much more effective than that of the traditional English grammar education.

The result of the research shows that there is a big difference between pre-test and

post-test of the target group when they study the noun of English grammar. On the other hand, there is little difference of the score between pre-test and post-test of the controlled group.

This may lead to conclude that there is a great significance in a sense that there is little gap of the score of the pre-test in both groups, but there is a big difference of the score for the post-test in two groups. This is the evidence that the way to study English Noun by virtue of powerpoint presentation is much more effective than that of the traditional learning method in the class.

5. Conclusion

The purpose of using the presentation is to apply for the utilization in the class as a tool of the complex multimedia for the effectiveness of the education. Presentation may help a teacher to establish a system of the subject for the lecture. That is, it can set up the structure what to say and what order to say and how to ideally deliver the core of the lesson.

Most students can learn the process to specify the information by using the software of multimedia presentation. They may easily study how to focus on the contents of a lesson with the cognitive study method once they apply for the hypermedia which is the system to connect text to moving sound file.

In other words, the students may share their idea at the same time and solve the home work in cooperation with others through on-line sites such as "SLIDESHARE".

This study is to prove that the way of study in English grammar and Noun by means of multimedia presentation is much more effective than that of the traditional learning method. Multimedia presentation is more adequate to enhance the achievement of English grammar for the students.

The reasons for the effectiveness by multimedia presentation in education of English grammar is not only the simplicity and diversity of the presentation but also the environments of the study.[3]

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