

# The Study of The Efficiency of Online English Learning for Grade X Students Triamudom Suksa Nomklao School Samut Prakarn

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## Abstract

The objectives of this research are: 1) To study the state of the condition of online English learning among Grade X students Triamudom Suksa Nomklao School Samut Prakarn Province. 2) To analyze the efficiency of Online English learning of Grade X students Triamudom Suksa Nomklao School Samut Prakarn Province. 3) To propose guidelines for enhancing efficiency in Online English learning of High School students. This research is survey research. The sample group consisted of 204 grade 10 students at Triamudom Suksa School, Nomklao, Samut Prakarn Province. The results of the questionnaires were obtained. The statistics used to analyze the data were frequency, finding percentage, and standard deviation.

The results showed that

1. Efficiency of online English was found in the overall aspects of online English learning of grade X high school students Triamudom Suksa Nomklao School, Samut Prakarn Province was at a very satisfactory level. ( $X = 3.58$  S.D.=0.93). The online English learning measurement and evaluation of efficiency satisfaction ( $X = 3.69$ , S.D.= 0.96) were at a very satisfactory level.

2. Online English learning management consists of environment, application, appropriate learning time, and planning were found in the overall aspects at a moderate satisfaction level ( $X = 3.47$  S.D.= 0.97). The studying supplies are ready for online learning at a moderate satisfactory level ( $X = 3.75$  S.D.= 0.86).

3. Online English teaching activities were found in the overall aspects at a very satisfactory level ( $X = 3.61$  S.D.= 0.87). The students get to know the programs teachers use to teach English in a variety of new and modern ways is a very satisfactory level ( $X = 3.72$  S.D.= 0.93).

4. Online English learning achievement was found in the overall aspects at a very satisfactory level ( $X = 3.55$  S.D.= 0.90). The students have sufficient time to review lessons after studying English before studying for the next class was at a very satisfactory level ( $X = 3.63$  S.D.= 0.94).

5. The online English learning measurement and evaluation of efficiency found the overall aspects were at the most satisfactory level (3.69 S.D.=0.96). The students practicing

their English skills in real situations, such as singing songs or watching movies in English through online media were at the most satisfactory level ( $X = 3.87$ ,  $S.D. = 1.03$ ).

The participants had the online English learning measurement and evaluation of efficiency most satisfactory level ( $X = 3.69$   $SD=0.96$ ). The second was online English learning activities were at a very satisfactory level ( $X = 3.61$   $S.D.= 0.87$ ), followed by online English learning achievement was at a very satisfactory level ( $X = 3.55$ ,  $S.D.= 0.90$ ). Finally, online English learning management consists of environment, application, appropriate learning time, and planning at a moderately satisfactory level ( $X = 3.47$ ,  $S.D. = 0.97$ ). Student efficiency was  $X = 3.58$   $S.D. 0.93$ , which was at a very satisfactory level of interpretation.

**Keywords:** Learning management; teaching activities; learning achievement

## Introduction

Educators and students need to adapt to new norms by changing current behavior into new situations and strive to increase their knowledge of technology to effectively manage their research. This is the most important part of learning new technological approaches to education in response to new normal issues. In this study, the researcher pointed out that in online learning during the Covid situation, the student lacked of efficiency. Because online learning can be difficult to measure as the students take the exam, the students can view and search results from the internet as a result, the learning efficiency and perception of students are reduced.

The researcher would like to find out the effectiveness of students in grade X high school at Tiamudom Suksa Nomklao Samut Prakarn students who have completed online learning in part during COVID-19. And the school has already provided online classes. The students were absent from traditional learning. Most teachers often have questions about how effective online learning. How do students learn English effectively? How much English a student can use depends on a number of factors which the researcher thinks is a huge disadvantage. On other hand, the student's willingness to learn from different environments of students while studying is also one of the factors that affect the effectiveness of online learning. Therefore, the researcher is aware of the solution to the problem of online learning is becoming more and more common in the future. Therefore, the researcher would like to present guidelines for solving online learning problems to be more effective as follows: 1) The students set up an environment to suit their learning. 2) The students manage their study time appropriately. 3) The students use more applications for online English learning. 4) The students have study planning in detail and continuously. The researcher would suggest proposing guidelines to enhance efficiency. In addition, the researcher also finds solutions to improve and develop English language learners' skills by exploring efficiency as a tool for research design. Many research papers have shown that students perform better in online learning than in traditional learning, and many people in the education industry are enthusiastic

to learn more about the benefits of e-learning to improve academics only by analyzing student satisfaction and performance can the answer be found. Many research reports tried to prove the efficiency of online learning and traditional learning. The researcher suggests that course design provides would answer to students' expectations, satisfaction, and achievement are the top five determinants of learning outcomes and student satisfaction during online teaching. This study looks at the effectiveness of online learning and considers the challenges that students face when learning online.

The research objectives are 1) to study the state of condition of online English learning among Grade X students Triamudom Suksa Nomklao School Samut Prakarn Province. 2) to analyze the efficiency of Online English learning of Grade X students Triamudom Suksa Nomklao School Samut Prakarn Province. 3) to propose guidelines for enhancing efficiency in Online English learning of High School students. The research focuses on students' experiences over the past two years when the Ministry of Education announced the closure of schools and each school had to develop online teaching. Then most of the students had the experience of online study in part for two years. Many students face problems with online learning during the COVID-19 pandemic. The researcher emphasizes on how the students set up an environment to suit their learning. How the students manage their study time appropriately. Why are students use more applications for online English learning? And what are the students' study planning in detail and continuously?

The researchers also investigate the factors behind student dissatisfaction with online learning experiences. This survey focused on the benefits and drawbacks of online learning from the student's perspective.

### **Research Objective**

1. To study the state of the condition of online English learning among Grade X students Triamudom Suksa Nomklao School Samut Prakarn Province.
2. 2 To analyze the efficiency of Online English learning of Grade X students Triamudom Suksa Nomklao School Samut Prakarn Province.
3. To propose guidelines for enhancing efficiency in Online English learning of High School students.

### **Literature Review**

The following titles illustrate the study's themes and theories.

1. Theoretical concepts related to Online Learning or e-Learning
  - 1.1 The meaning of Online Learning or e-Learning
  - 1.2 The elements of Online Learning or e-Learning
2. Theories and concepts about the development of online teaching courses.
3. Theoretical concepts of Distance Learning
  - 3.1 History of electronic distance education
  - 3.2 Definition of electronic distance education

- 3.3 Elements of electronic distance education
- 3.4 Advantages and limitations of electronic distance education
- 4. Theoretical concepts related to looking for efficiency
  - 4.1 Definition of Finding Efficiency
  - 4.2 Determination of Efficiency Criteria
- 5. Related research

The research focuses on students' experiences over the past two years when the Ministry of Education announced the closure of schools and each school had to develop online teaching. Then most of the students had the experience of online study in part for two years. Many students face problems with online learning during the COVID-19 pandemic.

### Conceptual Framework

1. Readiness of student affect the state or condition of online English learning.
2. Online English learning affects the educational effectiveness expectations of students.

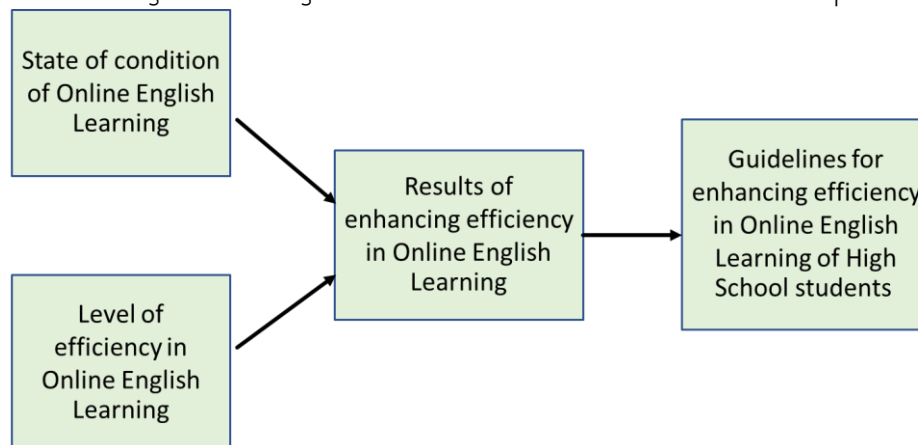
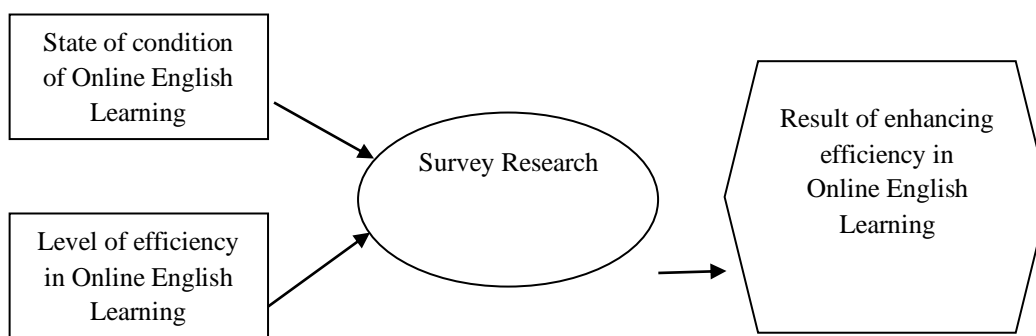


Figure 1.1 Conceptual Framework

### Research Methodology

The researcher created questionnaires to gather information. The understudies within Triamudom Suksa Nomklao School in Samut Prakarn 204 students in 6 classrooms have been considered the populace for consideration. The survey questionnaires are made in Google Forms and are circulated to the students. And it is circulated on different social gatherings such as Facebook, Line, WhatsApp, and Twitter. The test is 204 numbers, collected from students in grades X. The overview comprises questionnaires planned to utilize Google form, with contact with teachers and connect by sent to the students, and assent is gotten from each respondent.



**Figure 3.1** Research using the survey method to extend the result

### **Scope of time**

The research begins from September 2022 until January 2023, about 5 months of the research.

### **Expected Benefits of the Study**

1. To know the efficiency of online English learning for student grade X at Triamudom Suksa Nomklao School in Samut Prakarn Province.
2. To guidelines for improving and developing proficiency in Online English learning of High School students.

### **Population and Sampling**

The population of this research is selected to collect data from 204 high school students in grade X at Triamudom Suksa Nomklao School, Samut Prakarn. The total high school grade X population at Triamudom Suksa Nomklao School is 417 students.

The population criteria used an estimation error of at least 5% size tolerance which is 204 students according to a table by Taro Yamane.

### **Measurement Design**

This research is survey research using questionnaires as an instrument to collect data. The researcher created from the study of the research paper theoretical concepts related to online English learning such as theoretical concepts related to online learning, the development of online teaching courses, distance learning, and looking for efficiency.

The researcher used the questionnaires to distribute on the internet to students. The students were asked to fulfill a Thai language questionnaire including basic semibiographical information. The questionnaire measure uses 29 items, and consists of three parts as follows:

1) Data analysis from the questionnaire in Part 1, the demographic factors of the respondents created by the researcher based on response questions were gender, age, grade, and educational background. The respondents were able to choose only one answer. The data was analyzed by using statistics for frequency and percentage.

2) Data analysis from the questionnaire part 2 is characterized by the Likert scale consisting of questions including 4 aspects. Total 20 items as follows: -

- 2.1) Online learning management consists of environment, application, appropriate learning time, and planning.
- 2.2) Online teaching activities
- 2.3) Online learning achievement
- 2.4) Online learning measurement and evaluation of efficiency

2) Data analysis from the questionnaire in Part 3 is an open-ended questionnaire about the proposal of an approach to improve the efficiency of online English learning for high school students at Triamudom Suksa Nongklao School Samut Prakarn Province. A question that gives the respondent an opportunity to state their opinion.

### **Research Instruments**

The Researcher creates instruments and processes with the following steps:

1. Study the documents related to the online English learning of students at Triamudom Suksa School Samut Prakarn Province from documents, concepts, theories, and related research to guide the creation of a questionnaire.

2. Create a questionnaire that covers the content to be studied based on the knowledge gained from the study of relevant documents and research.

3. Bring the questionnaire created to the advisors to improve and correct.

4. Modify the questionnaire to complete it as the advisors have suggested.

5. Take the revised questionnaire and interview form to five experts to examine the accuracy of content in 4 aspects.

6. Use the questionnaire created to modify and improve according to the advice of the advisory committee then brings it to the five experts to check the correctness and revised it again.

7. Use the revised questionnaires according to the recommendations of the advisory committee to try out the instrument with a group that is similar to the group X copies to find the reliability of the questionnaire by using Cronbach's alpha coefficient with confidence values of both questionnaires equal to 0.860.

8. After receiving the complete questionnaire, therefore used as the instrument for further research.

### **Data Collection**

For data collection in this research, the researcher proceeded with the following steps:

1. The researcher contacted the student affair Mahachulalongkorn rajavidyalaya University to receive a letter requesting cooperation in conducting research to the director of Triamudom Suksa Nomklao School, Samut Prakarn Province to request assistance in collecting information.

2. The researcher brought the letter asking for cooperation and a questionnaire to ask for cooperation from the director of Triamudom Suksa Nomklao School, Samut Prakarn Province to request assistance in collecting information as well as explaining how to complete the questionnaire as stated.

3. The researcher personally contacted the director of Triamudom Suksa Nomklao School, Samut Prakarn Province. The sample consisted of 204 grade X students in 6 classrooms

in the academic year 2021, obtained by random sampling according to Taro Yamane's table. The data was collected by the researcher self.

### Data Analysis

For data analysis in this research, the researcher follows the steps:

1. Collect questionnaires for statistical analysis.
2. General data of the respondents consisting of geographic data was analyzed by using frequency and percentage statistics.
3. An analysis of the efficiency of online English learning of students in grade X Triamudom Suksa Nomklao School, Samut Prakarn Province Analyze the data using statistics Mean ( $\bar{x}$ ), and standard deviation were measured.
4. Present the results of the analysis by descriptive analysis.
5. Summary of research results and suggestions.

### Statistics used in data analysis

Statistics used in data presentation and data analysis; the researcher used statistics consisting of percentage, mean and standard deviation. And Index of Item Objective Congruence (IOC) values for finding consistency according to the researcher analyzed the data by the Statistical Packages for Social Science. The process of data analysis is as follows.

1) Analyze the general data of the target group by using descriptive statistics, frequency, and percentage.

2) An analysis of the efficiency of online English learning of grade X students at Triamudom Suksa Nomklao School, Samut Prakarn Province by using descriptive statistics such as mean ( $\bar{x}$ ) and standard deviation (SD) which is a question on a scale of estimation on 5 levels are the most satisfied, very satisfied, moderate satisfaction, less satisfied, and least satisfied respectively by use Likert Scale as follow:

Level 5 means most satisfied

Level 4 means very satisfied

Level 3 means moderate satisfaction

Level 2 means less satisfied

Level 1 means least satisfied

3) Analysis to propose the effectiveness of online English learning among grade X students at Triamudom Suksa Nomklao School, Samut Prakarn Province. The analysis report is written in a contextual composition.

4) Guideline to enhancing efficiency by using qualitative analysis.

### Research results

1) The respondents of 204 students who studied English online the student grade X at Triamudom Suksa Nomklao School, Samut Prakarn Province categorizing 78 males, representing 38.24%, females 126, representing 61.76%, classified by aged 15 years of 84

peoples, representing 41.17% and age 16 years of 120 persons, representing 58.83%, respectively.

2) The efficiency of online English learning, it was found that overall aspects of online English learning of grade X high school students Triamudom Suksa Nomklao School, Samut Prakarn Province Overall, it's at a very satisfactory level. ( $X = 3.58$  S.D.=0.93) when considering each aspect, arranged in descending order of average score, online English learning measurement and evaluation of efficiency ( $X = 3.69$ , S.D.= 0.96), followed by activities of online English teachers online ( $X = 3.61$ , S.D.= 0.87) the achievement of efficiency in learning English online ( $X = 3.55$ , S.D. = 0.90). Finally, the order of average score, namely, environment, application, time, and planning of teaching English online ( $X = 3.47$ , S.D.= 0.97). When considering the overall picture, it was found that it was at a moderately satisfactory level in all aspects.

3) Online English learning management consists of environment, application, appropriate learning time, and planning, it was found that the Online English learning management consists of environment, application, appropriate learning time, and planning of student grade X high school students Triamudom Suksa Nomklao School, Samut Prakarn Province, it's at a moderate satisfactory level ( $X = 3.47$  S.D.= 0.97) when considering each condition, arranged in descending order of average score, namely, studying supplies ready for online learning ( $X = 3.75$  S.D.= 0.86), the home environment is ideal for online learning ( $X = 3.67$  S.D.= 0.89), the home environment made bored and unwilling to study ( $X = 3.40$  S.D.= 1.05), atmospheric environment to learn English ( $X = 3.36$  S.D.= 0.96), and Unfavorable environmental conditions and reduced concentration in learning ( $X = 3.17$  S.D.= 1.09). When considering the overall picture, it was found that it was at a moderate condition level in this aspect.

4) Online English teaching activities, it was found that the Online English teaching activities of student grade X high school students Triamudom Suksa Nomklao School, Samut Prakarn Province, it's at a very satisfactory level. ( $X = 3.61$  S.D.= 0.87) when considering each activity, arranged in descending order of average score, namely, students get to know the programs teachers use to teach English in a variety of new and modern ways ( $X = 3.72$  S.D.= 0.93), students can appropriately use the tools teachers communicate with students while learning English online ( $X = 3.72$  S.D.= 0.87), the programs and courses that teachers use to teach students to learn English online are appropriate ( $X = 3.57$  S.D.= 0.77), teachers use easy-to-understand programs to teach English. make students more interested in English subjects ( $X = 3.53$  S.D.= 0.90) and teachers are given enough time to think and do activities while learning English ( $X = 3.50$  S.D.= 0.90). When considering the overall picture, it was found that it was at a very satisfactory level in this activity.

5) Online English learning achievement, it was found that the Online



English teaching achievement of student grade X high school students Triamudom Suksa Nomklao School, Samut Prakarn Province, it's at a very satisfactory level. ( $X = 3.55$  S.D.= 0.90) when considering each achievement, arranged in descending order of average score, namely, students have sufficient time to review lessons after studying English before studying for the next class ( $X = 3.63$  S.D.= 0.94), the timing of learning English online in each class is appropriate ( $X = 3.58$  S.D.= 0.89), the balance between teacher lecture time and online classroom activities ( $X = 3.58$  S.D.= 0.83), proper break time ( $X = 3.53$  S.D.= 0.92) and studying online is an obstacle to daily routines ( $X = 3.43$  S.D.= 0.90). When considering the overall picture, it was found that it was at a very satisfactory level in this achievement.

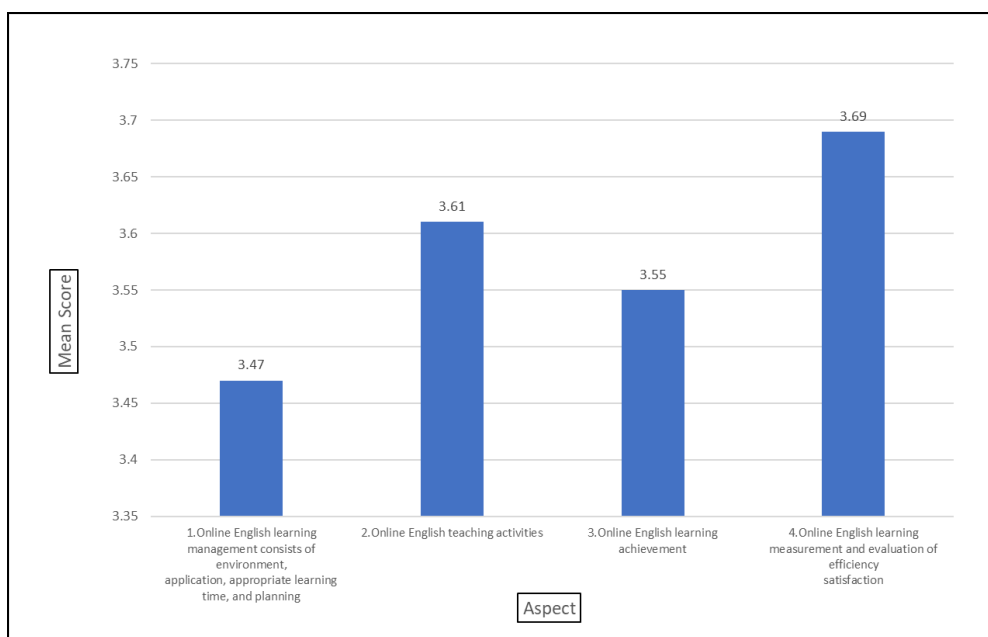
6) Online English learning measurement and evaluation of efficiency, it was found that the Online English learning measurement and evaluation of the efficiency of student grade X high school students Triamudom Suksa Nomklao School, Samut Prakarn Province, it's at a most satisfactory level. (3.69 S.D.=0.96) when considering each efficiency, arranged in descending order of average score, namely, students practice their English skills in real situations, such as singing songs or watching movies in English through online media ( $X = 3.87$ , S.D.= 1.03), teachers are friendly with students. Make students feel comfortable in developing their own English language skills ( $X = 3.85$ , S.D.= 0.96), Students are interested in learning English ( $X = 3.77$ , S.D.= 0.99), teachers encourage students to fully use their English language skills ( $X = 3.73$ , S.D.= 0.95), teachers have the ability to motivate students to be interested in practicing their English language skills ( $X = 3.67$ , S.D.= 0.96), teachers give students the opportunity to fully evaluate their teaching in the English language subjects studied ( $X = 3.66$ , S.D.= 0.94), students have a good attitude towards learning English ( $X = 3.65$ , S.D.= 0.97), students can ask questions when not attending the lesson ( $X = 3.58$ , S.D.= 0.89), students can apply English learning content to everyday life ( $X = 3.57$ , S.D.= 1.05) and teachers have techniques for teaching English, clearly explained, easy to understand ( $X = 3.57$ , S.D.= 0.86). When considering the overall picture, it was found that it was at a very satisfactory level in the measurement and evaluation of efficiency.

The results showed that participants were efficient in all four aspects:

1. Online English learning management consists of environment, application, appropriate learning time, and planning
2. Online English teaching activities
3. Online English learning achievement
4. Online English learning measurement and evaluation of efficiency

The participants had the online English learning measurement and evaluation of efficiency most satisfactory level ( $X = 3.69$  SD=0.96). The second was online English learning activities were at a very satisfactory level ( $X = 3.61$  S.D.= 0.87), followed by online English learning achievement was at a very satisfactory level ( $X = 3.55$ , S.D.= 0.90). Finally, online English learning management consists of environment, application, appropriate learning time,

and planning at a moderately satisfactory level ( $X = 3.47$ , S.D. = 0.97). Student efficiency was  $X = 3.58$  S.D. 0.93, which was at a very satisfactory level of interpretation.



## Conclusions

The summary of the study of the efficiency of online English learning for Grade X students Triamudom Suksa Nomklao School Samut Prakarn from the survey of questionnaires. The summary of the study is as follows: -

1. The male student is 38.24% and the female student is 61.76%.
2. The students' grade X most is 16 years old which is 58.83%.
3. The study of the efficiency of online English learning was divided into 4 aspects. The summary is shown as
  - a. Online English learning management consists of environment, application, appropriate learning time, and planning, the overall picture was found that it was at a moderate condition level ( $X = 3.47$  S.D. = 0.97). The students' supplies ready for online learning are the most efficient.
  - b. Online English teaching activities, the overall picture was found that it was at a very satisfactory level ( $X = 3.61$  S.D. = 0.87). The students get to know the program teachers use to teach English in a variety of new and modern ways are the most activities.
  - c. Online English learning achievement, the overall picture was found that it was at a very satisfactory level ( $X = 3.55$  S.D. = 0.90). The students have sufficient time to review lessons after studying English before studying for the next class is the most achievement.
  - d. Online English learning measurement and evaluation of efficiency, the overall picture was found that it was at the most satisfactory level ( $X = 3.69$  S.D. = 0.96). The teachers give

students the opportunity to fully evaluate their teaching in the English language subjects studied are the most satisfying.

### Discussions

The researcher has recommendations for online English learning effectiveness expectations.

#### 1. Student readiness

From the study, it was found that the readiness of the students, the factor of learning equipment is the most important because directly related to learning, if students have sufficient equipment to study will increase efficiency in learning more including the readiness of the attitude which if students are ready in all aspects will result in online teaching not different from studying in a normal classroom which is consistent with the research of Patchara Khongmoh (2016) that access facilities are not ready such as slow internet, the computer cannot upload large files due to space limitation. In addition, teachers can only use the online classroom system at the basic level and are not proficient in using it. Being inactive for a long time makes them forget how to create a course in the online classroom and forget the password.

#### 2. Learning activities

Online learning activities affect online learning. Because students like to learn new things and modern technology. Therefore, programs and activities should be modern and appropriate to encourage more students to be interested in learning English online which is consistent with the research of Patcharin Inthamas (2016). Online learning should encourage the creation of an electronic teaching and learning system that is convenient to use on mobile phones as it encourages learners to study and research in order to be continually and up-to-date by using modern technology. And Online learning is also consistent with the research of Paphawee Tangduangdee (2016), technology and communication factors affect the performance of students' learning the most. The school management should pay attention to the use of technology applied as teaching aids. Most of the new generation of teachers already have quite high technology skills to push older teachers to develop their own characteristics to be in the group of technology and communication Administrators may assist in sending older teachers to attend relevant training, including setting the KPIs of older teachers to be defined and requires to use of moderate teaching materials to bring technology to teach students.

#### 3. The efficiency enhancement

Teachers are friendly with students and make students feel comfortable in developing their own English language skills. Students practicing their English skills in real situations, such as singing songs or watching movies in English through online media can increase students' efficiency enhancement which is consistent with the research of Nguyen Thi Yew (2013). Games are helpful in motivating students to become more interested in learning. It makes the students enjoy playing the game and it also helps in reviewing the lesson. Bringing

word games into teaching is a teaching aid that stimulates students' interest. High learning achievement and more accurate vocabulary memorization. To enhancement, the efficiency of students by using TV programs created efficiency skill development for students.

### Recommendations

Suggestions for teaching and learning

1. Recommendations before the school provides online learning for high

school students should survey the condition and availability of equipment, tools, environment, and things around the students first to assess and predict the outcomes and performance that will happen to students during and after online learning. After that, the study programs are arranged in accordance with the study subjects by using technology to help make teaching English online more efficient. Teachers must also be trained in the use of technology to improve the efficiency of online teaching and learning programs.

2. Recommended that online English learning achievement for high school

students should be appropriately spaced out so that the students have enough time to review the lesson. The online English class should record videos of learning then students can come back and review many times. Online English learning needs to be tailored to both learners and teachers to help them achieve results. And during the class, there should be periodic breaks in order not to let students get bored and sleepy which may be a major obstacle for online learning.

Suggestions for further research

1. The researcher suggests researching more on using high technology to develop English speaking, listening,
2. The researcher recommended researching more on studying online for the whole system without onsite school.

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